

<110> INCYTE CORPORATION; LEE, Soo Yeun;
 SWARNAKAR, Anita; MURAGE, Jaji;
 KHARE, Reena; HAFALIA, April J.A.;
 CHAWLA, Narinder K.; ELLIOTT, Vicki S.;
 TRAN, Uyen K.; BECHA, Shanya D.;
 BHATIA, Umesh G.; BURRILL, John D.;
 LEE, Sally; BLAKE, Julie J.;
 HO, Ann; ZHENG, Wenjin;
 MARQUIS, Joseph P.; JIN, Pei;
 WILSON, Amy D.; WANG, Jonathan T.;
 CHIEN, David; RICHARDSON, Thomas W.;
 KABLE, Amy E.; EMERLING, Brooke M.;
 RAMKUMAR, Jayalaxmi; BAUGHN, Mariah R.;
 TANG, Y. Tom; JACKSON, Jennifer L.;
 LAL, Preeti G.; YUE, Henry;
 GIETZEN, Kimberly J.

<120> Receptors and Membrane-Associated Proteins

<130> PF-1637 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/425,404

<151> 2002-11-12

<150> US 60/440,907

<151> 2003-01-15

<150> US 60/442,477

<151> 2003-01-24

<150> US 60/448,565

<151> 2003-02-18

<150> US 60/460,716

<151> 2003-04-04

<150> US 60/461,853

<151> 2003-04-09

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<213> Homo sapiens

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<223> Incyte ID No: 2847449CD1

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Asn	Met	Thr	Thr	Arg	Gly	Glu	Asp	Phe	Leu	Tyr	Lys	Ser	Ser	Gly
				20					25					30
Ala	Ile	Val	Ala	Ala	Ile	Val	Val	Val	Val	Ile	Ile	Ile	Phe	Thr
				35					40					45
Val	Val	Leu	Ile	Leu	Leu	Lys	Met	Tyr	Asn	Arg	Lys	Met	Arg	Thr
				50					55					60

Arg	Arg	Glu	Leu	Glu	Pro	Lys	Gly	Pro	Lys	Pro	Thr	Ala	Pro	Ser
				65					70					75
Ala	Val	Gly	Pro	Asn	Ser	Asn	Gly	Ser	Gln	His	Pro	Ala	Thr	Val
				80					85					90
Thr	Phe	Ser	Pro	Val	Asp	Val	Gln	Val	Glu	Thr	Arg			
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Met	Lys	Met	Ala	Ser	Phe	Leu	Ala	Phe	Leu	Leu	Leu	Asn	Phe	Arg
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Val	Cys	Leu	Leu	Leu	Leu	Gln	Leu	Leu	Met	Pro	His	Ser	Gly	Arg
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Glu	Gln	Phe	His	Ala	Cys	Phe								
				35										

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Met	Leu	Pro	Leu	Leu	Leu	Pro	Leu	Leu	Trp	Ala	Ala	Ser	Tyr	Tyr
1				5					10					15
Gly	Tyr	Gly	Tyr	Trp	Phe	Leu	Glu	Gly	Ala	Asp	Val	Pro	Val	Ala
				20					25					30
Thr	Asn	Asp	Pro	Asp	Glu	Glu	Val	Gln	Glu	Glu	Thr	Arg	Gly	Arg
				35					40					45
Phe	His	Leu	Leu	Trp	Asp	Pro	Arg	Arg	Lys	Asn	Cys	Ser	Leu	Ser
				50					55					60
Ile	Arg	Asp	Ala	Arg	Arg	Arg	Asp	Asn	Ala	Ala	Tyr	Phe	Phe	Arg
				65					70					75
Leu	Lys	Ser	Lys	Trp	Met	Lys	Tyr	Gly	Tyr	Ala	Ser	Ser	Lys	Leu
				80					85					90
Ser	Val	Arg	Val	Met	Gly	Thr	Leu	Glu	Ser	Gly	His	Pro	Ser	Asn
				95					100					105
Leu	Thr	Cys	Ser	Val	Pro	Trp	Val	Cys	Glu	Gln	Gly	Thr	Pro	Pro
				110					115					120
Ile	Phe	Ser	Trp	Met	Ser	Ala	Ala	Pro	Thr	Ser	Leu	Gly	Pro	Arg
				125					130					135
Thr	Thr	Gln	Ser	Ser	Val	Leu	Thr	Ile	Thr	Pro	Arg	Pro	Gln	Asp
				140					145					150
His	Ser	Thr	Asn	Leu	Thr	Cys	Gln	Val	Thr	Phe	Pro	Gly	Ala	Gly
				155					160					165
Val	Thr	Met	Glu	Arg	Thr	Ile	Gln	Leu	Asn	Val	Ser	Ser	Phe	Lys
				170					175					180
Ile	Leu	Gln	Asn	Thr	Ser	Ser	Leu	Pro	Val	Leu	Glu	Gly	Gln	Ala
				185					190					195
Leu	Arg	Leu	Leu	Cys	Asp	Ala	Asp	Gly	Asn	Pro	Pro	Ala	His	Leu
				200					205					210
Ser	Trp	Phe	Gln	Gly	Phe	Pro	Ala	Leu	Asn	Ala	Thr	Pro	Ile	Ser

Asn Thr Gly Val	215	Glu Leu Pro Gln	220	Val Gly Ser Ala Glu	225
	230		235	Leu Gly Ser Leu Gln	240
Gly Asp Phe Thr	245	Cys Arg Ala Gln His	250	Pro Leu Gly Ser Leu Gln	255
Ile Ser Leu Ser	260	Leu Phe Val His Trp	265	Lys Pro Glu Gly Arg Ala	270
	275	Gly Ala Val Trp Gly	280	Ala Ser Ile Thr Thr Leu	285
Val Phe Leu Cys	290	Val Cys Phe Ile Phe	295	Arg Val Lys Thr Arg Arg	300
Lys Lys Ala Ala	305	Gln Pro Val Gln Asn	310	Thr Asp Asp Val Asn Pro	315
Val Met Val Ser	320	Gly Ser Arg Gly His	325	Gln His Gln Phe Gln Thr	330
Gly Ile Val Ser	335	Asp His Pro Ala Glu	340	Ala Gly Pro Ile Ser Glu	345
Asp Glu Gln Glu	350	Leu His Tyr Ala Val	355	Leu His Phe His Lys Val	360
Gln Pro Gln Glu	365	Pro Lys Val Thr Asp	370	Thr Glu Tyr Ser Glu Ile	375
Lys Ile His Lys					

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Met Glu Gly His Val	1	Tyr Trp Thr Asp Asp	10	Glu Val Trp Ala Ile	15
Arg Arg Ala Tyr Leu	20	Asp Gly Ser Gly Ala	25	Gln Thr Leu Ile Asn	30
Thr Lys Ile Asn Asp	35	Pro Asp Asp Ile Ala	40	Val Asn Trp Val Ala	45
Arg Ser Leu Tyr Trp	50	Thr His Thr Gly Thr	55	Glu His Ile Glu Val	60
Thr Cys Leu Asn Ser	65	Thr Ser His Lys Ile	70	Leu Val Ser Glu Asp	75
Met Asp Glu Pro Arg	80	Ala Ile Ala Leu His	85	Pro Glu Met Gly Arg	90
Ser Val Ser Met Arg	95	Arg Arg Gly Arg Pro	100	Ser	

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<220>
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Met Gln Asp Glu Glu	1	Arg Tyr Met Thr Leu	10	Asn Val Gln Ser Lys	15
Lys Arg Ser Ser Ala	20	Gln Thr Ser Gln Leu	25	Thr Phe Lys Asp Tyr	30

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Ser Val Thr Leu His Trp Tyr Lys Ile Leu Leu Gly Ile Ser Gly
      35      40      45
Thr Val Asn Gly Ile Leu Thr Leu Thr Ile Ser Leu Ile Leu
      50      55      60
Leu Val Ser Gln Gly Val Leu Leu Lys Cys Gln Lys Gly Ser Cys
      65      70      75
Ser Asn Ala Thr Gln Tyr Glu Asp Thr Gly Asp Leu Lys Val Asn
      80      85      90
Asn Gly Thr Arg Arg Asn Ile Ser Asn Lys Asp Leu Cys Ala Ser
      95     100     105
Arg Ser Ala Asp Gln Thr Gly Phe Tyr Thr Glu Lys Pro Lys Thr
      110     115     120
Ile Lys Leu Arg Met Asp Trp Ala
      125

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<220>
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Met Gly Thr Ala Ser Arg Ser Asn Ile Ala Arg His Leu Gln Thr
  1      5      10      15
Asn Leu Ile Leu Phe Cys Val Glu Ile Lys Leu Leu Ser Lys Glu
      20      25      30
Leu Arg Ser Phe Leu Thr Ala Leu Val Ser Leu Leu Ser Val Tyr
      35      40      45
Val Thr Gly Val Cys Val Ala Phe Ile Leu Leu Ser Lys Ser Lys
      50      55      60
Ser Asn Pro Leu Arg Asn Lys Glu Ile Lys Glu Asp Ser Gln Lys
      65      70      75
Lys Lys Ser Ala Arg Arg Ile Phe Gln Glu Ile Ala Gln Glu Leu
      80      85      90
Tyr His Lys Arg His Val Glu Thr Asn Gln Gln Ser Glu Lys Asp
      95     100     105
Asn Asn Thr Tyr Glu Asn Arg Arg Val Leu Ser Asn Tyr Glu Arg
      110     115     120
Pro

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<210> 7
 <211> 183
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<220>
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<400> 7
Met Gly Thr Ala Ser Arg Ser Asn Ile Ala Arg His Leu Gln Thr
  1      5      10      15
Asn Leu Ile Leu Phe Cys Val Gly Ala Val Gly Ala Cys Thr Leu
      20      25      30
Ser Val Thr Gln Pro Trp Tyr Leu Glu Val Asp Tyr Thr His Glu
      35      40      45
Ala Val Thr Ile Lys Cys Thr Phe Ser Ala Thr Gly Cys Pro Ser
      50      55      60
Glu Gln Pro Thr Cys Leu Trp Phe Arg Tyr Gly Ala His Gln Pro

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	65		70		75
Glu Asn Leu Cys	Leu Asp Gly Cys Lys	Lys Ile Lys Leu Leu	Ser		
	80		85		90
Lys Glu Leu Arg	Ser Phe Leu Thr Ala	Leu Val Ser Leu Leu	Ser		
	95		100		105
Val Tyr Val Thr	Gly Val Cys Val Ala	Phe Ile Leu Leu Ser	Lys		
	110		115		120
Ser Lys Ser Asn	Pro Leu Arg Asn Lys	Glu Ile Lys Glu Asp	Ser		
	125		130		135
Gln Lys Lys Lys	Ser Ala Arg Arg Ile	Phe Gln Glu Ile Ala	Gln		
	140		145		150
Glu Leu Tyr His	Lys Arg His Val Glu	Thr Asn Gln Gln Ser	Glu		
	155		160		165
Lys Asp Asn Asn	Thr Tyr Glu Asn Arg	Arg Val Leu Ser Asn	Tyr		
	170		175		180
Glu Arg Pro					

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Met Gln Asp Glu Glu	Arg Tyr Met Thr Leu Asn Val Gln Ser Lys
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Lys Arg Ser Ser Ala	Gln Thr Ser Gln Leu Thr Phe Lys Asp Tyr
	20 25 30
Ser Val Thr Leu His	Trp Tyr Lys Ile Leu Leu Gly Ile Ser Gly
	35 40 45
Thr Val Asn Gly Ile	Leu Thr Leu Thr Leu Ile Ser Leu Ile Leu
	50 55 60
Leu Val Leu Cys Gln	Ser Glu Trp Leu Lys Tyr Gln Gly Lys Cys
	65 70 75
Tyr Trp Phe Ser Asn	Glu Met Lys Ser Trp Ser Asp Ser Tyr Val
	80 85 90
Tyr Cys Leu Glu Arg	Lys Ser His Leu Leu Ile Ile His Asp Gln
	95 100 105
Leu Glu Met Ala Phe	Ile Gln Lys Asn Leu Arg Gln Leu Asn Tyr
	110 115 120
Val Trp Ile Gly Leu	Asn Phe Thr Ser Leu Lys Met Thr Trp Thr
	125 130 135
Trp Val Asp Gly Ser	Pro Ile Asp Ser Lys Ile Phe Phe Val Lys
	140 145 150
Gly Pro Ala Lys Glu	Asn Ser Cys Ala Ala Ile Lys Glu Ser Lys
	155 160 165
Ile Phe Ser Glu Thr	Cys Ser Ser Val Phe Lys Trp Ile Cys Gln
	170 175 180
Tyr	

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Met Gln Asp Glu Glu Arg Tyr Met Thr Leu Asn Val Gln Ser Lys
1 5 10 15
Lys Arg Ser Ser Ala Gln Thr Ser Gln Leu Thr Phe Lys Asp Tyr
20 25 30
Ser Val Thr Leu His Trp Tyr Lys Ile Leu Leu Gly Ile Ser Gly
35 40 45
Thr Val Asn Gly Ile Leu Thr Leu Thr Leu Ile Ser Leu Ile Leu
50 55 60
Leu Val Leu Tyr Ser Ser Phe Ser Gly Ser Ile Ala Lys Met Pro
65 70 75
Lys Arg Lys Leu Phe Lys Cys His Ser Val
80 85

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Met Gln Asp Glu Glu Arg Tyr Met Thr Leu Asn Val Gln Ser Lys
1 5 10 15
Lys Arg Ser Ser Ala Gln Thr Ser Gln Leu Thr Phe Lys Asp Tyr
20 25 30
Ser Val Thr Leu His Trp Tyr Lys Ile Leu Leu Gly Ile Ser Gly
35 40 45
Thr Val Asn Gly Ile Leu Thr Leu Thr Leu Ile Ser Leu Ile Leu
50 55 60
Leu Gly Ser Ile Ala Lys Met Pro Lys Arg Lys Leu Phe Lys Cys
65 70 75
His Ser Val

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Met Lys Met Ala Ser Phe Leu Ala Phe Leu Leu Leu Asn Phe Arg
1 5 10 15
Val Cys Leu Leu Leu Leu Gln Leu Leu Met Pro His Ser Ala Gln
20 25 30
Phe Ser Val Leu Gly Pro Ser Gly Pro Ile Leu Ala Met Val Gly
35 40 45
Glu Asp Ala Asp Leu Pro Cys His Leu Phe Pro Thr Met Ser Ala
50 55 60
Glu Thr Met Glu Leu Lys Trp Val Ser Ser Ser Leu Arg Gln Val
65 70 75
Val Asn Val Tyr Ala Asp Gly Lys Glu Val Glu Asp Arg Gln Ser
80 85 90
Ala Pro Tyr Arg Gly Arg Thr Ser Ile Leu Arg Asp Gly Ile Thr
95 100 105
Ala Gly Lys Ala Ala Leu Arg Ile His Asn Val Thr Ala Ser Asp
110 115 120

Ser	Gly	Lys	Tyr	Leu	Cys	Tyr	Phe	Gln	Asp	Gly	Asp	Phe	Tyr	Glu
				125					130					135
Lys	Ala	Leu	Val	Glu	Leu	Lys	Val	Ala	Ala	Leu	Gly	Ser	Asp	Leu
				140					145					150
His	Val	Asp	Val	Lys	Gly	Tyr	Lys	Asp	Gly	Gly	Ile	His	Leu	Glu
				155					160					165
Cys	Arg	Ser	Thr	Gly	Trp	Tyr	Pro	Gln	Pro	Gln	Ile	Gln	Trp	Ser
				170					175					180
Asn	Asn	Lys	Gly	Glu	Asn	Ile	Pro	Thr	Val	Glu	Ala	Pro	Val	Val
				185					190					195
Ala	Asp	Gly	Val	Gly	Leu	Tyr	Ala	Val	Ala	Ala	Ser	Val	Ile	Met
				200					205					210
Arg	Gly	Ser	Ser	Gly	Glu	Gly	Val	Ser	Cys	Thr	Ile	Arg	Ser	Ser
				215					220					225
Leu	Leu	Gly	Leu	Glu	Lys	Thr	Ala	Ser	Ile	Ser	Ile	Ala	Asp	Pro
				230					235					240
Phe	Phe	Arg	Ser	Ala	Gln	Arg	Trp	Ile	Ala	Ala	Leu	Ala	Gly	Thr
				245					250					255
Leu	Pro	Val	Leu	Leu	Leu	Leu	Leu	Gly	Gly	Ala	Gly	Tyr	Phe	Leu
				260					265					270
Trp	Gln	Gln	Gln	Glu	Glu	Lys	Lys	Thr	Gln	Phe	Arg	Lys	Lys	Lys
				275					280					285
Arg	Glu	Gln	Glu	Leu	Arg	Glu	Met	Ala	Trp	Ser	Thr	Met	Lys	Gln
				290					295					300
Glu	Gln	Ser	Thr	Arg	Val	Lys	Leu	Leu	Glu	Glu	Leu	Ser	Lys	Phe
				305					310					315
Pro	Phe	Pro	Gln	Arg	Pro	Arg	His	Val	Phe	Leu	Ser	Leu	Leu	Tyr
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Ala	Pro													

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Gly	Ala	Leu	Leu	Ala	Val	Gly	Ala	Thr	Lys	Gly	Ser	Gln	Val	Trp
				20					25					30
Gly	Gly	Gln	Pro	Val	Tyr	Pro	Gln	Glu	Thr	Asp	Asp	Ala	Cys	Ile
				35					40					45
Phe	Pro	Asp	Gly	Gly	Pro	Cys	Pro	Ser	Gly	Ser	Trp	Ser	Gln	Lys
				50					55					60
Arg	Ser	Phe	Val	Tyr	Val	Trp	Lys	Thr	Trp	Gly	Gln	Tyr	Trp	Gln
				65					70					75
Val	Leu	Gly	Gly	Pro	Val	Ser	Gly	Leu	Ser	Ile	Gly	Thr	Gly	Arg
				80					85					90
Ala	Met	Leu	Gly	Thr	His	Thr	Met	Glu	Val	Thr	Val	Tyr	His	Arg
				95					100					105
Arg	Gly	Ser	Arg	Ser	Tyr	Val	Pro	Leu	Ala	His	Ser	Ser	Ser	Ala
				110					115					120
Phe	Thr	Ile	Thr	Asp	Gln	Val	Pro	Phe	Ser	Val	Ser	Val	Ser	Gln
				125					130					135
Leu	Arg	Ala	Leu	Asp	Gly	Gly	Asn	Lys	His	Phe	Leu	Arg	Asn	Gln
				140					145					150
Pro	Leu	Thr	Phe	Ala	Leu	Gln	Pro	His	Asp	Pro	Ser	Gly	Tyr	Leu
				155					160					165

Ala	Glu	Ala	Asp	Leu	Ser	Tyr	Thr	Trp	Asp	Phe	Gly	Asp	Ser	Ser	
				170					175					180	
Gly	Thr	Leu	Ile	Ser	Arg	Ala	Leu	Val	Val	Thr	His	Thr	Tyr	Leu	
				185					190					195	
Glu	Pro	Gly	Pro	Val	Thr	Ala	Gln	Val	Val	Leu	Gln	Ala	Ala	Ile	
				200					205					210	
Pro	Leu	Thr	Ser	Cys	Gly	Ser	Ser	Pro	Val	Pro	Gly	Thr	Thr	Asp	
				215					220					225	
Gly	His	Arg	Pro	Thr	Ala	Glu	Ala	Pro	Asn	Thr	Thr	Ala	Gly	Gln	
				230					235					240	
Val	Pro	Thr	Thr	Glu	Val	Val	Gly	Thr	Thr	Pro	Gly	Gln	Ala	Pro	
				245					250					255	
Thr	Ala	Glu	Pro	Ser	Gly	Thr	Thr	Ser	Val	Gln	Val	Pro	Thr	Thr	
				260					265					270	
Glu	Val	Ile	Ser	Thr	Ala	Pro	Val	Gln	Met	Pro	Thr	Ala	Glu	Ser	
				275					280					285	
Thr	Ala	Ala	Gln	Val	Thr	Thr	Thr	Glu	Trp	Val	Glu	Thr	Thr	Ala	
				290					295					300	
Arg	Glu	Leu	Pro	Ile	Pro	Glu	Pro	Glu	Gly	Pro	Asp	Ala	Ser	Ser	
				305					310					315	
Ile	Met	Ser	Thr	Glu	Ser	Ile	Thr	Gly	Ser	Leu	Gly	Pro	Leu	Leu	
				320					325					330	
Asp	Gly	Thr	Ala	Thr	Leu	Arg	Leu	Val	Lys	Arg	Gln	Val	Pro	Leu	
				335					340					345	
Asp	Cys	Val	Leu	Tyr	Arg	Tyr	Gly	Ser	Phe	Ser	Val	Thr	Leu	Asp	
				350					355					360	
Ile	Val	Gln	Gly	Ile	Glu	Ser	Ala	Glu	Ile	Leu	Gln	Ala	Val	Pro	
				365					370					375	
Ser	Gly	Glu	Gly	Asp	Ala	Phe	Glu	Leu	Thr	Val	Ser	Cys	Gln	Gly	
				380					385					390	
Gly	Leu	Pro	Lys	Glu	Thr	Cys	Met	Glu	Ile	Ser	Ser	Pro	Gly	Cys	
				395					400					405	
Gln	Pro	Pro	Ala	Gln	Arg	Leu	Cys	Gln	Pro	Val	Leu	Pro	Ser	Pro	
				410					415					420	
Ala	Cys	Gln	Leu	Val	Leu	His	Gln	Ile	Leu	Lys	Gly	Gly	Ser	Gly	
				425					430					435	
Thr	Tyr	Cys	Leu	Asn	Val	Ser	Leu	Ala	Asp	Thr	Asn	Ser	Leu	Ala	
				440					445					450	
Val	Val	Ser	Thr	Gln	Leu	Ile	Met	Pro	Gly	Gln	Glu	Ala	Gly	Leu	
				455					460					465	
Gly	Gln	Val	Pro	Leu	Ile	Val	Gly	Ile	Leu	Leu	Val	Leu	Met	Ala	
				470					475					480	
Val	Val	Leu	Ala	Ser	Leu	Ile	Tyr	Arg	Arg	Arg	Leu	Met	Lys	Gln	
				485					490					495	
Asp	Phe	Ser	Val	Pro	Gln	Leu	Pro	His	Ser	Ser	Ser	His	Trp	Leu	
				500					505					510	
Arg	Leu	Pro	Arg	Ile	Phe	Cys	Ser	Cys	Pro	Ile	Gly	Glu	Asn	Ser	
				515					520					525	
Pro	Leu	Leu	Ser	Gly	Gln	Gln	Val								
				530											

<210> 13

<211> 311

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523769CD1

<400> 13

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Val	Cys	Leu	Leu	Leu	Leu	Gln	Leu	Leu	Met	Pro	His	Ser	Ala	Gln	
				20					25					30	
Phe	Ser	Val	Leu	Gly	Pro	Ser	Gly	Pro	Ile	Leu	Ala	Met	Val	Gly	
				35					40					45	
Glu	Asp	Ala	Asp	Leu	Pro	Cys	His	Leu	Phe	Pro	Thr	Met	Ser	Ala	
				50					55					60	
Glu	Thr	Met	Glu	Leu	Lys	Trp	Val	Ser	Ser	Ser	Leu	Arg	Gln	Val	
				65					70					75	
Val	Asn	Val	Tyr	Ala	Asp	Gly	Lys	Glu	Val	Glu	Asp	Arg	Gln	Ser	
				80					85					90	
Ala	Pro	Tyr	Arg	Gly	Arg	Thr	Ser	Ile	Leu	Arg	Asp	Gly	Ile	Thr	
				95					100					105	
Ala	Gly	Lys	Ala	Ala	Leu	Arg	Ile	His	Asn	Val	Thr	Ala	Ser	Asp	
				110					115					120	
Ser	Gly	Lys	Tyr	Leu	Cys	Tyr	Phe	Gln	Asp	Gly	Asp	Phe	Tyr	Glu	
				125					130					135	
Arg	Ala	Leu	Val	Glu	Leu	Lys	Val	Ala	Gly	Leu	Gln	Gly	Trp	Arg	
				140					145					150	
Asp	Pro	Ser	Gly	Val	Gln	Val	His	Trp	Leu	Val	Pro	Pro	Thr	Pro	
				155					160					165	
Asn	Thr	Val	Glu	Gln	Gln	Gln	Gly	Arg	Glu	His	Pro	Asp	Cys	Gly	
				170					175					180	
Ser	Thr	Cys	Gly	Cys	Arg	Arg	Ser	Gly	Pro	Val	Cys	Ser	Ser	Ser	
				185					190					195	
Ile	Cys	Asp	His	Glu	Arg	Gln	Leu	Trp	Gly	Gly	Cys	Ile	Leu	Tyr	
				200					205					210	
His	Gln	Lys	Phe	Pro	Pro	Arg	Pro	Gly	Lys	Asp	Ser	Gln	His	Phe	
				215					220					225	
His	Arg	Arg	Pro	Leu	Leu	Gln	Glu	Arg	Pro	Glu	Val	Asp	Arg	Arg	
				230					235					240	
Pro	Gly	Arg	Asp	Pro	Ala	Cys	Leu	Ala	Ala	Ala	Ser	Trp	Gly	Ser	
				245					250					255	
Arg	Leu	Leu	Pro	Val	Ala	Thr	Ala	Gly	Gly	Lys	Lys	Asp	Ser	Val	
				260					265					270	
Gln	Lys	Glu	Lys	Glu	Arg	Ala	Arg	Val	Glu	Arg	Asn	Gly	Met	Glu	
				275					280					285	
His	Asn	Glu	Ala	Arg	Thr	Lys	His	Lys	Arg	Met	Glu	Lys	Tyr	Pro	
				290					295					300	
Val	Cys	Ile	Ser	Gly	Arg	Glu	Thr	Phe	Ser	Leu					
				305					310						

<210> 14
 <211> 419
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523785CD1

<400> 14
 Met Lys Met Ala Ser Phe Leu Ala Phe Leu Leu Leu Asn Phe Arg
 1 5 10 15
 Val Cys Leu Leu Leu Leu Gln Leu Leu Met Pro His Ser Ala Gln
 20 25 30
 Phe Ser Val Leu Gly Pro Ser Gly Pro Ile Leu Ala Met Val Gly
 35 40 45
 Glu Asp Ala Asp Leu Pro Cys His Leu Phe Pro Thr Met Ser Ala
 50 55 60
 Glu Thr Met Glu Leu Lys Trp Val Ser Ser Ser Leu Arg Gln Val
 65 70 75
 Val Asn Val Tyr Ala Asp Gly Lys Glu Val Glu Asp Arg Gln Ser
 80 85 90

Ala	Pro	Tyr	Arg	Gly	Arg	Thr	Ser	Ile	Leu	Arg	Asp	Gly	Ile	Thr
				95					100					105
Ala	Gly	Lys	Ala	Ala	Leu	Arg	Ile	His	Asn	Val	Thr	Ala	Ser	Asp
				110					115					120
Ser	Gly	Lys	Tyr	Leu	Cys	Tyr	Phe	Gln	Asp	Gly	Asp	Phe	Tyr	Glu
				125					130					135
Lys	Ala	Leu	Val	Glu	Leu	Lys	Val	Ala	Asp	Pro	Phe	Phe	Arg	Ser
				140					145					150
Ala	Gln	Arg	Trp	Ile	Ala	Ala	Leu	Ala	Gly	Thr	Leu	Pro	Val	Leu
				155					160					165
Leu	Leu	Leu	Leu	Gly	Gly	Ala	Gly	Tyr	Phe	Leu	Trp	Gln	Gln	Gln
				170					175					180
Glu	Glu	Lys	Lys	Thr	Gln	Phe	Arg	Lys	Lys	Lys	Arg	Glu	Gln	Glu
				185					190					195
Leu	Arg	Glu	Met	Ala	Trp	Ser	Thr	Met	Lys	Gln	Glu	Gln	Ser	Thr
				200					205					210
Arg	Val	Lys	Leu	Leu	Glu	Glu	Leu	Arg	Trp	Arg	Ser	Ile	Gln	Tyr
				215					220					225
Ala	Ser	Arg	Gly	Glu	Arg	His	Ser	Ala	Tyr	Asn	Glu	Trp	Lys	Lys
				230					235					240
Ala	Leu	Phe	Lys	Pro	Ala	Asp	Val	Ile	Leu	Asp	Pro	Lys	Thr	Ala
				245					250					255
Asn	Pro	Ile	Leu	Leu	Val	Ser	Glu	Asp	Gln	Arg	Ser	Val	Gln	Arg
				260					265					270
Ala	Lys	Glu	Pro	Gln	Asp	Leu	Pro	Asp	Asn	Pro	Glu	Arg	Phe	Asn
				275					280					285
Trp	His	Tyr	Cys	Val	Leu	Gly	Cys	Glu	Ser	Phe	Ile	Ser	Gly	Arg
				290					295					300
His	Tyr	Trp	Glu	Val	Glu	Val	Gly	Asp	Arg	Lys	Glu	Trp	His	Ile
				305					310					315
Gly	Val	Cys	Ser	Lys	Asn	Val	Gln	Arg	Lys	Gly	Trp	Val	Lys	Met
				320					325					330
Thr	Pro	Glu	Asn	Gly	Phe	Trp	Thr	Met	Gly	Leu	Thr	Asp	Gly	Asn
				335					340					345
Lys	Tyr	Arg	Thr	Leu	Thr	Glu	Pro	Arg	Thr	Asn	Leu	Lys	Leu	Pro
				350					355					360
Lys	Pro	Pro	Lys	Lys	Val	Gly	Val	Phe	Leu	Asp	Tyr	Glu	Thr	Gly
				365					370					375
Asp	Ile	Ser	Phe	Tyr	Asn	Ala	Val	Asp	Gly	Ser	His	Ile	His	Thr
				380					385					390
Phe	Leu	Asp	Val	Ser	Phe	Ser	Glu	Ala	Leu	Tyr	Pro	Val	Phe	Arg
				395					400					405
Ile	Leu	Thr	Leu	Glu	Pro	Thr	Ala	Leu	Thr	Ile	Cys	Pro	Ala	
				410					415					

<210> 15

<211> 539

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523836CD1

<400> 15

Met	Asp	Arg	Gly	Thr	Leu	Pro	Leu	Ala	Val	Ala	Leu	Leu	Leu	Ala
1				5					10					15
Ser	Cys	Ser	Leu	Ser	Pro	Thr	Ser	Leu	Ala	Glu	Thr	Val	His	Cys
				20					25					30
Asp	Leu	Gln	Pro	Val	Gly	Pro	Glu	Arg	Gly	Glu	Val	Thr	Tyr	Thr
				35					40					45
Thr	Ser	Gln	Val	Ser	Lys	Gly	Cys	Val	Ala	Gln	Ala	Pro	Asn	Ala
				50					55					60

Ile	Leu	Glu	Val	His	Val	Leu	Phe	Leu	Glu	Phe	Pro	Thr	Gly	Pro
				65					70					75
Ser	Gln	Leu	Glu	Leu	Thr	Leu	Gln	Ala	Ser	Lys	Gln	Asn	Gly	Thr
				80					85					90
Trp	Pro	Arg	Glu	Val	Leu	Leu	Val	Leu	Ser	Val	Asn	Ser	Ser	Val
				95					100					105
Phe	Leu	His	Leu	Gln	Ala	Leu	Gly	Ile	Pro	Leu	His	Leu	Ala	Tyr
				110					115					120
Asn	Ser	Ser	Leu	Val	Thr	Phe	Gln	Glu	Pro	Pro	Gly	Val	Asn	Thr
				125					130					135
Thr	Glu	Leu	Pro	Ser	Phe	Pro	Lys	Thr	Gln	Ile	Leu	Glu	Trp	Ala
				140					145					150
Ala	Glu	Arg	Gly	Pro	Ile	Thr	Ser	Ala	Ala	Glu	Leu	Asn	Asp	Pro
				155					160					165
Gln	Ser	Ile	Leu	Leu	Arg	Leu	Gly	Gln	Ala	Gln	Gly	Ser	Leu	Ser
				170					175					180
Phe	Cys	Met	Leu	Glu	Ala	Ser	Gln	Asp	Met	Gly	Arg	Thr	Leu	Glu
				185					190					195
Trp	Arg	Pro	Arg	Thr	Pro	Ala	Leu	Val	Arg	Gly	Cys	His	Leu	Glu
				200					205					210
Gly	Val	Ala	Gly	His	Lys	Glu	Ala	His	Ile	Leu	Arg	Val	Leu	Pro
				215					220					225
Gly	His	Ser	Ala	Gly	Pro	Arg	Thr	Val	Thr	Val	Lys	Val	Glu	Leu
				230					235					240
Ser	Cys	Ala	Pro	Gly	Asp	Leu	Asp	Ala	Val	Leu	Ile	Leu	Gln	Gly
				245					250					255
Pro	Pro	Tyr	Val	Ser	Trp	Leu	Ile	Asp	Ala	Asn	His	Asn	Met	Gln
				260					265					270
Ile	Trp	Thr	Thr	Gly	Glu	Tyr	Ser	Phe	Lys	Ile	Phe	Pro	Glu	Lys
				275					280					285
Asn	Ile	Arg	Gly	Phe	Lys	Leu	Pro	Asp	Thr	Pro	Gln	Gly	Leu	Leu
				290					295					300
Gly	Glu	Ala	Arg	Met	Leu	Asn	Ala	Ser	Ile	Val	Ala	Ser	Phe	Val
				305					310					315
Glu	Leu	Pro	Leu	Ala	Ser	Ile	Val	Ser	Leu	His	Ala	Ser	Ser	Cys
				320					325					330
Gly	Gly	Arg	Leu	Gln	Thr	Ser	Pro	Ala	Pro	Ile	Gln	Thr	Thr	Pro
				335					340					345
Pro	Lys	Asp	Thr	Cys	Ser	Pro	Glu	Leu	Leu	Met	Ser	Leu	Ile	Gln
				350					355					360
Thr	Lys	Cys	Ala	Asp	Asp	Ala	Met	Thr	Leu	Val	Leu	Lys	Lys	Glu
				365					370					375
Leu	Val	Ala	His	Leu	Lys	Cys	Thr	Ile	Thr	Gly	Leu	Thr	Phe	Trp
				380					385					390
Asp	Pro	Ser	Cys	Glu	Ala	Glu	Asp	Arg	Gly	Asp	Glu	Phe	Val	Leu
				395					400					405
Arg	Ser	Ala	Tyr	Ser	Ser	Cys	Gly	Met	Gln	Val	Ser	Ala	Ser	Met
				410					415					420
Ile	Ser	Asn	Glu	Ala	Val	Val	Asn	Ile	Leu	Ser	Ser	Ser	Ser	Pro
				425					430					435
Gln	Arg	Lys	Lys	Val	His	Cys	Leu	Asn	Met	Asp	Ser	Leu	Ser	Phe
				440					445					450
Gln	Leu	Gly	Leu	Tyr	Leu	Ser	Pro	His	Phe	Leu	Gln	Ala	Ser	Asn
				455					460					465
Thr	Ile	Glu	Pro	Gly	Gln	Gln	Ser	Phe	Val	Gln	Glu	Val	His	Arg
				470					475					480
Thr	Val	Phe	Met	Arg	Leu	Asn	Ile	Ile	Ser	Pro	Asp	Leu	Ser	Gly
				485					490					495
Cys	Thr	Ser	Lys	Gly	Leu	Val	Leu	Pro	Ala	Val	Leu	Gly	Ile	Thr
				500					505					510
Phe	Gly	Ala	Phe	Leu	Ile	Gly	Ala	Leu	Leu	Thr	Ala	Ala	Leu	Trp
				515					520					525
Tyr	Ile	Tyr	Ser	His	Thr	Arg	Glu	Tyr	Pro	Arg	Pro	Pro	Gln	

530

535

<210> 16
 <211> 558
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523879CD1

<400> 16

Met	Arg	Gly	Gly	Arg	Gly	Ala	Pro	Phe	Trp	Leu	Trp	Pro	Leu	Pro
1				5					10					15
Lys	Leu	Ala	Leu	Leu	Pro	Leu	Leu	Trp	Val	Leu	Phe	Gln	Arg	Thr
				20					25					30
Arg	Pro	Gln	Gly	Ser	Ala	Gly	Pro	Leu	Gln	Cys	Tyr	Gly	Val	Gly
				35					40					45
Pro	Leu	Gly	Asp	Leu	Asn	Cys	Ser	Trp	Glu	Pro	Leu	Gly	Asp	Leu
				50					55					60
Gly	Ala	Pro	Ser	Glu	Leu	His	Leu	Gln	Ser	Gln	Lys	Tyr	Arg	Ser
				65					70					75
Asn	Lys	Thr	Gln	Thr	Val	Ala	Val	Ala	Ala	Gly	Arg	Ser	Trp	Val
				80					85					90
Ala	Ile	Pro	Arg	Glu	Gln	Leu	Thr	Met	Ser	Asp	Lys	Leu	Leu	Val
				95					100					105
Trp	Gly	Thr	Lys	Ala	Gly	Gln	Pro	Leu	Trp	Pro	Pro	Val	Phe	Val
				110					115					120
Asn	Leu	Glu	Thr	Gln	Met	Lys	Pro	Asn	Ala	Pro	Arg	Leu	Gly	Pro
				125					130					135
Asp	Val	Asp	Phe	Ser	Glu	Asp	Asp	Pro	Leu	Glu	Ala	Thr	Val	His
				140					145					150
Trp	Ala	Pro	Pro	Thr	Trp	Pro	Ser	His	Lys	Val	Leu	Ile	Cys	Gln
				155					160					165
Phe	His	Tyr	Arg	Arg	Cys	Gln	Glu	Ala	Ala	Trp	Thr	Leu	Ala	Pro
				170					175					180
Gly	Pro	Cys	Val	Gln	Val	Ser	Tyr	Lys	Val	Trp	Phe	Trp	Val	Gly
				185					190					195
Gly	Arg	Glu	Leu	Ser	Pro	Glu	Gly	Ile	Thr	Cys	Cys	Cys	Ser	Leu
				200					205					210
Ile	Pro	Ser	Gly	Ala	Glu	Trp	Ala	Arg	Val	Ser	Ala	Val	Asn	Ala
				215					220					225
Thr	Ser	Trp	Glu	Pro	Leu	Thr	Asn	Leu	Ser	Leu	Val	Cys	Leu	Asp
				230					235					240
Ser	Ala	Ser	Ala	Pro	Arg	Ser	Val	Ala	Val	Ser	Ser	Ile	Ala	Gly
				245					250					255
Ser	Thr	Glu	Leu	Leu	Val	Ser	Trp	Gln	Pro	Gly	Pro	Gly	Glu	Pro
				260					265					270
Leu	Glu	His	Val	Val	Asp	Trp	Ala	Arg	Asp	Gly	Asp	Pro	Leu	Glu
				275					280					285
Lys	Leu	Asn	Trp	Val	Arg	Leu	Pro	Pro	Gly	Asn	Leu	Ser	Ala	Leu
				290					295					300
Leu	Pro	Gly	Asn	Phe	Thr	Val	Gly	Val	Pro	Tyr	Arg	Ile	Thr	Val
				305					310					315
Thr	Ala	Val	Ser	Ala	Ser	Gly	Leu	Ala	Ser	Ala	Ser	Ser	Val	Trp
				320					325					330
Gly	Phe	Arg	Glu	Glu	Leu	Ala	Pro	Leu	Val	Gly	Pro	Thr	Leu	Trp
				335					340					345
Arg	Leu	Gln	Asp	Ala	Pro	Pro	Gly	Thr	Pro	Ala	Ile	Ala	Trp	Gly
				350					355					360
Glu	Val	Pro	Arg	His	Gln	Leu	Arg	Gly	His	Leu	Thr	His	Tyr	Thr
				365					370					375
Leu	Cys	Ala	Gln	Ser	Gly	Thr	Ser	Pro	Ser	Val	Cys	Met	Asn	Val

	380		385		390
Ser Gly Asn Thr	Gln Ser Val Thr Leu	Pro Asp Leu Pro Trp	Ser		
	395		400		405
Pro Cys Glu Leu	Trp Val Thr Ala Ser	Thr Ile Ala Gly Gln	Gly		
	410		415		420
Pro Pro Gly Pro	Ile Leu Arg Leu His	Leu Pro Asp Asn Thr	Leu		
	425		430		435
Arg Trp Lys Val	Leu Pro Gly Ile Leu	Phe Leu Trp Gly Leu	Phe		
	440		445		450
Leu Leu Gly Cys	Gly Leu Ser Leu Ala	Thr Ser Gly Arg Cys	Tyr		
	455		460		465
His Leu Arg His	Lys Val Leu Pro Arg	Trp Val Trp Glu Lys	Val		
	470		475		480
Pro Asp Pro Ala	Asn Ser Ser Ser Gly	Gln Pro His Met Glu	Gln		
	485		490		495
Val Pro Glu Ala	Gln Pro Leu Gly Asp	Leu Pro Ile Leu Glu	Val		
	500		505		510
Glu Glu Met Glu	Pro Pro Pro Val Met	Glu Ser Ser Gln Pro	Ala		
	515		520		525
Gln Ala Thr Ala	Pro Leu Asp Ser Gly	Tyr Glu Lys His Phe	Leu		
	530		535		540
Pro Thr Pro Glu	Glu Leu Gly Leu Leu	Gly Pro Pro Arg Pro	Gln		
	545		550		555
Val Leu Ala					

<210> 17
 <211> 512
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523880CD1

<400> 17

Met Glu Cys Leu Tyr	Tyr Phe Leu Gly Phe	Leu Leu Leu Ala Ala	
1	5	10	15
Arg Leu Pro Leu Asp	Ala Ala Lys Arg Phe	His Asp Val Leu Gly	
	20	25	30
Asn Glu Arg Pro Ser	Ala Tyr Met Arg Glu	His Asn Gln Leu Asn	
	35	40	45
Gly Trp Ser Ser Asp	Glu Asn Asp Trp Asn	Glu Lys Leu Tyr Pro	
	50	55	60
Val Trp Lys Arg Gly	Asp Met Arg Trp Lys	Asn Ser Trp Lys Glu	
	65	70	75
Ala Gly Leu Ser Ala	Asp Pro Tyr Val Tyr	Asn Trp Thr Ala Trp	
	80	85	90
Ser Glu Asp Ser Asp	Gly Glu Asn Gly Thr	Gly Gln Ser His His	
	95	100	105
Asn Val Phe Pro Asp	Gly Lys Pro Phe Pro	His His Pro Gly Trp	
	110	115	120
Arg Arg Trp Asn Phe	Ile Tyr Val Phe His	Thr Leu Gly Gln Tyr	
	125	130	135
Phe Gln Lys Leu Gly	Arg Cys Ser Val Arg	Val Ser Ala Asn Thr	
	140	145	150
Ala Asn Val Thr Leu	Gly Pro Gln Leu Met	Glu Val Thr Val Tyr	
	155	160	165
Arg Arg His Gly Arg	Ala Tyr Val Pro Ile	Ala Gln Val Lys Asp	
	170	175	180
Val Tyr Val Val Thr	Asp Gln Ile Pro Val	Phe Val Thr Met Phe	
	185	190	195
Gln Lys Asn Asp Arg	Asn Ser Ser Asp Glu	Thr Phe Leu Lys Asp	

Leu	Pro	Ile	Met	200	His	Asp	Val	Leu	Ile	205	Asp	Pro	Ser	His	210
				215						220					225
Leu	Asn	Tyr	Ser	Thr	Ile	Asn	Tyr	Lys	Trp	Gly	Phe	Gly	Asp	Asn	
				230						235					240
Thr	Gly	Leu	Phe	Val	Ser	Thr	Asn	His	Thr	Val	Asn	His	Thr	Tyr	
				245						250					255
Val	Leu	Asn	Gly	Thr	Phe	Ser	Leu	Asn	Leu	Thr	Val	Lys	Ala	Ala	
				260						265					270
Ala	Pro	Gly	Pro	Cys	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Arg	Pro	Ser	
				275						280					285
Lys	Pro	Thr	Pro	Ser	Leu	Gly	Pro	Ala	Gly	Asp	Asn	Pro	Leu	Glu	
				290						295					300
Leu	Ser	Arg	Ile	Pro	Asp	Glu	Asn	Cys	Gln	Ile	Asn	Arg	Tyr	Gly	
				305						310					315
His	Phe	Gln	Ala	Thr	Ile	Thr	Ile	Val	Glu	Gly	Ile	Leu	Glu	Val	
				320						325					330
Asn	Ile	Ile	Gln	Met	Thr	Asp	Val	Leu	Met	Pro	Val	Pro	Trp	Pro	
				335						340					345
Glu	Ser	Ser	Leu	Ile	Asp	Phe	Val	Val	Thr	Cys	Gln	Gly	Ser	Ile	
				350						355					360
Pro	Thr	Glu	Val	Cys	Thr	Ile	Ile	Ser	Asp	Pro	Thr	Cys	Glu	Ile	
				365						370					375
Thr	Gln	Asn	Thr	Val	Cys	Ser	Pro	Val	Asp	Val	Asp	Glu	Met	Cys	
				380						385					390
Leu	Leu	Ala	Val	Arg	Arg	Thr	Phe	Asn	Gly	Ser	Gly	Thr	Tyr	Cys	
				395						400					405
Val	Asn	Leu	Thr	Leu	Gly	Asp	Asp	Thr	Ser	Leu	Ala	Leu	Thr	Ser	
				410						415					420
Thr	Leu	Ile	Ser	Val	Pro	Asp	Arg	Asp	Pro	Ala	Ser	Pro	Leu	Arg	
				425						430					435
Met	Ala	Asn	Ser	Ala	Leu	Ile	Ser	Val	Gly	Cys	Leu	Ala	Ile	Phe	
				440						445					450
Val	Thr	Val	Ile	Ser	Leu	Leu	Val	Tyr	Lys	Lys	His	Lys	Glu	Tyr	
				455						460					465
Asn	Pro	Ile	Glu	Asn	Ser	Pro	Gly	Asn	Val	Val	Arg	Ser	Lys	Gly	
				470						475					480
Leu	Ser	Val	Phe	Leu	Asn	Arg	Ala	Lys	Ala	Val	Phe	Phe	Pro	Gly	
				485						490					495
Asn	Gln	Glu	Lys	Asp	Pro	Leu	Leu	Lys	Asn	Gln	Glu	Phe	Lys	Gly	
				500						505					510
Val	Ser														

<210> 18
 <211> 168
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523812CD1

<400> 18
 Met Val Cys Ser Leu Trp Val Leu Leu Leu Val Ser Ser Val Leu
 1 5 10 15
 Ala Leu Glu Gly Val Leu Leu Asp Thr Thr Gly Glu Thr Ser Glu
 20 25 30
 Ile Gly Trp Leu Thr Tyr Pro Pro Gly Gly Trp Asp Glu Val Ser
 35 40 45
 Val Leu Asp Asp Gln Arg Arg Leu Thr Arg Thr Phe Glu Ala Cys
 50 55 60
 His Val Ala Gly Ala Pro Pro Gly Thr Gly Gln Asp Asn Trp Leu

				65					70					75
Gln	Thr	His	Phe	Val	Glu	Arg	Arg	Gly	Ala	Gln	Arg	Ala	His	Ile
				80					85					90
Arg	Leu	His	Phe	Ser	Val	Arg	Ala	Cys	Ser	Ser	Leu	Gly	Val	Ser
				95					100					105
Gly	Gly	Thr	Cys	Arg	Glu	Thr	Phe	Thr	Leu	Tyr	Tyr	Arg	Gln	Ala
				110					115					120
Glu	Glu	Pro	Asp	Ser	Pro	Asp	Ser	Val	Ser	Ser	Trp	His	Leu	Lys
				125					130					135
Arg	Trp	Thr	Lys	Arg	Arg	Arg	Pro	Val	Gly	Leu	Gly	Gly	Pro	Pro
				140					145					150
Trp	Trp	Gln	Leu	Trp	Ala	Pro	Val	Trp	Leu	Met	Gln	Ser	Gln	Arg
				155					160					165
Arg	Met	Glu												

<210> 19
 <211> 291
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524026CD1

<400> 19

Met	His	Tyr	Cys	Val	Leu	Ser	Ala	Phe	Leu	Ile	Leu	His	Leu	Val
1				5					10					15
Thr	Val	Ala	Leu	Ser	Leu	Ser	Thr	Cys	Ser	Thr	Leu	Asp	Met	Asp
				20					25					30
Gln	Phe	Met	Arg	Lys	Arg	Ile	Glu	Ala	Ile	Arg	Gly	Gln	Ile	Leu
				35					40					45
Ser	Lys	Leu	Lys	Leu	Thr	Ser	Pro	Pro	Glu	Asp	Tyr	Pro	Glu	Pro
				50					55					60
Glu	Glu	Val	Pro	Pro	Glu	Val	Ile	Ser	Ile	Tyr	Asn	Ser	Thr	Arg
				65					70					75
Asp	Leu	Leu	Gln	Glu	Lys	Ala	Ser	Arg	Arg	Ala	Ala	Ala	Cys	Glu
				80					85					90
Arg	Glu	Arg	Ser	Asp	Glu	Glu	Tyr	Tyr	Ala	Lys	Glu	Val	Tyr	Lys
				95					100					105
Ile	Asp	Met	Pro	Pro	Phe	Phe	Pro	Ser	Glu	Asn	Ala	Ile	Pro	Pro
				110					115					120
Thr	Phe	Tyr	Arg	Pro	Tyr	Phe	Arg	Ile	Val	Arg	Phe	Asp	Val	Ser
				125					130					135
Ala	Met	Glu	Lys	Asn	Ala	Ser	Asn	Leu	Val	Lys	Ala	Glu	Phe	Arg
				140					145					150
Val	Phe	Arg	Leu	Gln	Asn	Pro	Lys	Ala	Arg	Val	Pro	Glu	Gln	Arg
				155					160					165
Ile	Glu	Leu	Tyr	Gln	Ile	Leu	Lys	Ser	Lys	Asp	Leu	Thr	Ser	Pro
				170					175					180
Thr	Gln	Arg	Tyr	Ile	Asp	Ser	Lys	Val	Val	Lys	Thr	Arg	Ala	Glu
				185					190					195
Gly	Glu	Trp	Leu	Ser	Phe	Asp	Val	Thr	Asp	Ala	Val	His	Glu	Trp
				200					205					210
Leu	His	His	Lys	Asp	Arg	Asn	Leu	Gly	Phe	Lys	Ile	Ser	Leu	His
				215					220					225
Cys	Pro	Cys	Cys	Thr	Phe	Val	Pro	Ser	Asn	Asn	Tyr	Ile	Ile	Pro
				230					235					240
Asn	Lys	Ser	Glu	Glu	Leu	Glu	Ala	Arg	Phe	Ala	Asp	Leu	Ser	His
				245					250					255
Asn	Arg	Pro	Thr	Gly	Gly	Arg	Ser	Val	Leu	Trp	Met	Arg	Pro	Ile
				260					265					270
Ala	Leu	Glu	Met	Cys	Arg	Ile	Ile	Ala	Ala	Tyr	Val	His	Phe	Thr

Leu Ile Ser Arg Gly Ile
275
290

280

285

<210> 20
<211> 490
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7524357CD1

<400> 20

Met	Trp	Thr	Asn	Phe	Phe	Lys	Leu	Arg	Leu	Phe	Cys	Cys	Leu	Leu
1				5					10					15
Ala	Val	Leu	Met	Val	Val	Val	Pro	Val	Ile	Asn	Val	Thr	Gln	Val
				20					25					30
Glu	Tyr	Leu	Asp	His	Glu	Thr	Val	Ser	Ala	Thr	Phe	Ile	Asp	Ser
				35					40					45
Ser	Gly	Gln	Phe	Val	Ser	Ser	Gln	Val	Thr	Gly	Ile	Ser	Arg	Asn
				50					55					60
Pro	Tyr	Cys	Gly	Tyr	Asp	Gln	Gln	Thr	Leu	Ser	Ser	Gln	Glu	Arg
				65					70					75
Met	Glu	Glu	Asp	Ser	Leu	Leu	Ala	Ala	Leu	His	Arg	Gln	Val	Pro
				80					85					90
Asp	Val	Gly	Pro	Val	Pro	Phe	Val	Lys	Ser	Thr	Asp	Pro	Ser	Ser
				95					100					105
Ser	Tyr	Phe	Val	Ile	Leu	Asn	Ser	Ala	Ala	Phe	Phe	Lys	Val	Gly
				110					115					120
Ser	Gln	Leu	Glu	Val	Leu	Val	His	Val	Gln	Asp	Phe	Gln	Arg	Lys
				125					130					135
Pro	Lys	Lys	Tyr	Gly	Gly	Asp	Tyr	Leu	Gln	Ala	Arg	Ile	His	Ser
				140					145					150
Leu	Lys	Leu	Gln	Ala	Gly	Ala	Val	Gly	Arg	Val	Val	Asp	Tyr	Gln
				155					160					165
Asn	Gly	Phe	Tyr	Lys	Val	Phe	Phe	Thr	Leu	Leu	Trp	Pro	Gly	Lys
				170					175					180
Val	Lys	Val	Ser	Val	Ser	Leu	Val	His	Pro	Ser	Glu	Gly	Ile	Arg
				185					190					195
Val	Leu	Gln	Arg	Glu	Gln	Glu	Asp	Lys	Pro	Asp	Arg	Val	Tyr	Phe
				200					205					210
Lys	Ser	Leu	Phe	Arg	Ser	Gly	Arg	Ile	Ser	Glu	Thr	Thr	Glu	Cys
				215					220					225
Asn	Val	Cys	Leu	Pro	Gly	Asn	Leu	Pro	Leu	Cys	Asn	Phe	Thr	Asp
				230					235					240
Leu	Tyr	Thr	Gly	Glu	Pro	Trp	Phe	Cys	Phe	Lys	Pro	Lys	Lys	Leu
				245					250					255
Pro	Cys	Ser	Ser	Arg	Ile	Thr	His	Phe	Lys	Gly	Gly	Tyr	Leu	Lys
				260					265					270
Gly	Leu	Leu	Thr	Ala	Ala	Glu	Ser	Ala	Phe	Phe	Gln	Ser	Gly	Val
				275					280					285
Asn	Ile	Lys	Met	Pro	Val	Asn	Ser	Ser	Gly	Pro	Asp	Trp	Val	Thr
				290					295					300
Val	Ile	Pro	Arg	Arg	Ile	Lys	Asp	Leu	Val	Glu	Phe	Asn	Leu	Gly
				305					310					315
Ser	Pro	Lys	Asn	Val	Gly	Pro	Phe	Leu	Ala	Val	Asp	Gln	Lys	His
				320					325					330
Asn	Ile	Leu	Leu	Lys	Tyr	Arg	Cys	His	Gly	Pro	Pro	Ile	Arg	Phe
				335					340					345
Thr	Thr	Val	Phe	Ser	Asn	Glu	Leu	His	Tyr	Val	Ala	Asn	Glu	Leu
				350					355					360
Asn	Gly	Ile	Val	Gly	Gly	Lys	Asn	Thr	Val	Val	Ala	Ile	Ala	Val

Trp Ser His Phe	365	Thr Phe Pro Leu	370	Glu Val Tyr Ile Arg	375
	380		385		390
Leu Arg Asn Ile	395	Arg Arg Ala Val Val	400	Arg Leu Leu Asp Arg	405
	410		415		420
Pro Lys Thr Val	425	Val Val Ile Arg Thr	430	Ala Asn Ala Gln Glu	435
	440		445		450
Gly Pro Glu Val	455	Ser Leu Phe Asn Ser	460	Asp Trp Tyr Asn Phe	465
	470		475		480
Leu Asp Thr Ile	485	Leu Arg Arg Met Phe	490	Ser Gly Val Gly Val	
Leu Val Asp Ala		Trp Glu Met Thr Leu		Ala His Tyr Leu Pro	
Lys Leu His Pro		Asp Glu Val Ile Val		Lys Asn Gln Leu Asp	
Phe Leu Ser Phe		Val Cys Pro Leu Glu		Thr	

<210> 21

<211> 407

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524808CD1

<400> 21

Met Glu Pro Ala	Ala	Ala	Leu	His	Phe	Ser	Leu	Pro	Ala	Ser	Leu
1		5				10					15
Leu Leu Leu Leu	Leu	Leu	Leu	Leu	Leu	Ser	Leu	Cys	Ala	Leu	Val
		20				25					30
Ser Gly Leu Gly	Ser	Lys	Pro	Leu	Ile	Glu	Ile	Lys	Ala	Gln	Glu
		35				40					45
Asp Gly Ser Ile	Trp	Leu	Glu	Cys	Ile	Ser	Gly	Gly	Trp	Tyr	Pro
		50				55					60
Glu Pro Leu Thr	Val	Trp	Arg	Asp	Pro	Tyr	Gly	Glu	Val	Val	Pro
		65				70					75
Ala Leu Lys Glu	Val	Ser	Ile	Ala	Asp	Ala	Asp	Gly	Leu	Phe	Met
		80				85					90
Val Thr Thr Ala	Val	Ile	Ile	Arg	Asp	Lys	Tyr	Val	Arg	Asn	Val
		95				100					105
Ser Cys Ser Val	Asn	Asn	Thr	Leu	Leu	Gly	Gln	Glu	Lys	Glu	Thr
		110				115					120
Val Ile Phe Ile	Pro	Glu	Ser	Phe	Met	Pro	Ser	Ala	Ser	Pro	Trp
		125				130					135
Met Val Ala Leu	Ala	Val	Ile	Leu	Thr	Ala	Ser	Pro	Trp	Met	Val
		140				145					150
Ser Met Thr Val	Ile	Leu	Ala	Val	Phe	Ile	Ile	Phe	Met	Ala	Val
		155				160					165
Ser Ile Cys Cys	Ile	Lys	Lys	Leu	Gln	Arg	Glu	Lys	Lys	Ile	Leu
		170				175					180
Ser Gly Glu Lys	Lys	Val	Glu	Gln	Glu	Glu	Lys	Glu	Ile	Ala	Gln
		185				190					195
Gln Leu Gln Glu	Glu	Leu	Arg	Trp	Arg	Arg	Thr	Phe	Leu	His	Ala
		200				205					210
Ala Asp Val Val	Leu	Asp	Pro	Asp	Thr	Ala	His	Pro	Glu	Leu	Phe
		215				220					225
Leu Ser Glu Asp	Arg	Arg	Ser	Val	Arg	Arg	Gly	Pro	Tyr	Arg	Gln
		230				235					240
Arg Val Pro Asp	Asn	Pro	Glu	Arg	Phe	Asp	Ser	Gln	Pro	Cys	Val
		245				250					255
Leu Gly Trp Glu	Ser	Phe	Ala	Ser	Gly	Lys	His	Tyr	Trp	Glu	Val

	260		265		270
Glu Val Glu Asn	Val Met Val Trp Thr	Val Gly Val Cys Arg	His		
	275		280		285
Ser Val Glu Arg	Asn Gly Glu Val Leu	Leu Ile Pro Gln Asn	Gly		
	290		295		300
Phe Trp Thr Leu	Glu Met Phe Gly Asn	Gln Tyr Arg Ala Leu	Ser		
	305		310		315
Ser Pro Glu Arg	Ile Leu Pro Leu Lys	Glu Ser Leu Cys Arg	Val		
	320		325		330
Gly Val Phe Leu	Asp Tyr Val Ala Gly	Asp Val Ser Phe Tyr	Asn		
	335		340		345
Met Arg Asp Arg	Ser His Ile Tyr Thr	Cys Pro Arg Ser Ala	Phe		
	350		355		360
Thr Val Pro Val	Arg Pro Phe Phe Arg	Leu Gly Ser Asp Asp	Ser		
	365		370		375
Pro Ile Phe Ile	Cys Pro Ala Leu Thr	Gly Ala Ser Gly Val	Met		
	380		385		390
Val Pro Glu Glu	Gly Leu Lys Leu His	Arg Val Gly Thr His	Gln		
	395		400		405
Ser Leu					

<210> 22
 <211> 252
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522161CD1

<400> 22

Met Ser Leu Trp Leu	Gly Ala Pro Val	Pro Asp Ile Pro	Pro Asp
1	5	10	15
Ser Ala Val Glu Leu	Trp Lys Pro Gly	Ala Gln Asp Ala	Ser Ser
	20	25	30
Gln Ala Gln Gly Gly	Ser Ser Cys Ile	Leu Arg Glu Glu	Ala Arg
	35	40	45
Met Pro His Ser Ala	Gly Gly Thr Ala	Gly Val Gly Leu	Glu Ala
	50	55	60
Ala Glu Pro Thr Ala	Leu Leu Thr Arg	Ala Glu Pro Pro	Ser Glu
	65	70	75
Pro Thr Glu Ile Arg	Pro Gln Lys Arg	Lys Lys Gly Pro	Ala Pro
	80	85	90
Lys Met Leu Gly Asn	Glu Leu Cys Ser	Val Cys Gly Asp	Lys Ala
	95	100	105
Ser Gly Phe His Tyr	Asn Val Leu Ser	Cys Glu Gly Cys	Lys Gly
	110	115	120
Phe Phe Arg Arg Ser	Val Ile Lys Gly	Ala His Tyr Ile	Cys His
	125	130	135
Ser Gly Gly His Cys	Pro Met Asp Thr	Tyr Met Arg Arg	Lys Cys
	140	145	150
Gln Glu Cys Arg Leu	Arg Lys Cys Arg	Gln Ala Gly Met	Arg Glu
	155	160	165
Glu Cys Val Leu Ser	Glu Glu Gln Ile	Arg Leu Lys Lys	Leu Lys
	170	175	180
Arg Gln Glu Glu Glu	Gln Ala His Val	Thr Ser Leu Pro	Pro Arg
	185	190	195
Ala Ser Ser Pro Pro	Gln Ile Leu Pro	Gln Leu Ser Pro	Glu Gln
	200	205	210
Leu Gly Met Ile Glu	Lys Leu Val Ala	Ala Gln Gln Gln	Cys Asn
	215	220	225
Arg Arg Ser Phe Ser	Asp Arg Leu Arg	Val Thr Gly Cys	Lys Trp

	230		235	240
Asn Ser Ser Thr	Pro Ser Ser Ser Ser	Pro Gly Pro		
	245	250		

<210> 23
 <211> 1473
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523999CD1

<400> 23

Met	Ser	Leu	Leu	Met	Phe	Thr	Gln	Leu	Leu	Leu	Cys	Gly	Phe	Leu
1				5					10					15
Tyr	Val	Arg	Val	Asp	Gly	Ser	Arg	Leu	Arg	Gln	Glu	Asp	Phe	Pro
				20					25					30
Pro	Arg	Ile	Val	Glu	His	Pro	Ser	Asp	Val	Ile	Val	Ser	Lys	Gly
				35					40					45
Glu	Pro	Thr	Thr	Leu	Asn	Cys	Lys	Ala	Glu	Gly	Arg	Pro	Thr	Pro
				50					55					60
Thr	Ile	Glu	Trp	Tyr	Lys	Asp	Gly	Glu	Arg	Val	Glu	Thr	Asp	Lys
				65					70					75
Asp	Asp	Pro	Arg	Ser	His	Arg	Met	Leu	Leu	Pro	Ser	Gly	Ser	Leu
				80					85					90
Phe	Phe	Leu	Arg	Ile	Val	His	Gly	Arg	Arg	Ser	Lys	Pro	Asp	Glu
				95					100					105
Gly	Ser	Tyr	Val	Cys	Val	Ala	Arg	Asn	Tyr	Leu	Gly	Glu	Ala	Val
				110					115					120
Ser	Arg	Asn	Ala	Ser	Leu	Glu	Val	Ala	Leu	Leu	Arg	Asp	Asp	Phe
				125					130					135
Arg	Gln	Asn	Pro	Thr	Asp	Val	Val	Val	Ala	Ala	Gly	Glu	Pro	Ala
				140					145					150
Ile	Leu	Glu	Cys	Gln	Pro	Pro	Arg	Gly	His	Pro	Glu	Pro	Thr	Ile
				155					160					165
Tyr	Trp	Lys	Lys	Asp	Lys	Val	Arg	Ile	Asp	Asp	Lys	Glu	Glu	Arg
				170					175					180
Ile	Ser	Ile	Arg	Gly	Gly	Lys	Leu	Met	Ile	Ser	Asn	Thr	Arg	Lys
				185					190					195
Ser	Asp	Ala	Gly	Met	Tyr	Thr	Cys	Val	Gly	Thr	Asn	Met	Val	Gly
				200					205					210
Glu	Arg	Asp	Ser	Asp	Pro	Ala	Glu	Leu	Thr	Val	Phe	Glu	Arg	Pro
				215					220					225
Thr	Phe	Leu	Arg	Arg	Pro	Ile	Asn	Gln	Val	Val	Leu	Glu	Glu	Glu
				230					235					240
Ala	Val	Glu	Phe	Arg	Cys	Gln	Val	Gln	Gly	Asp	Pro	Gln	Pro	Thr
				245					250					255
Val	Arg	Trp	Lys	Lys	Asp	Asp	Ala	Asp	Leu	Pro	Arg	Gly	Arg	Tyr
				260					265					270
Asp	Ile	Lys	Asp	Asp	Tyr	Thr	Leu	Arg	Ile	Lys	Lys	Thr	Met	Ser
				275					280					285
Thr	Asp	Glu	Gly	Thr	Tyr	Met	Cys	Ile	Ala	Glu	Asn	Arg	Val	Gly
				290					295					300
Lys	Met	Glu	Ala	Ser	Ala	Thr	Leu	Thr	Ile	Arg	Ala	Arg	Pro	Val
				305					310					315
Ala	Pro	Pro	Gln	Phe	Val	Val	Arg	Pro	Arg	Asp	Gln	Ile	Val	Ala
				320					325					330
Gln	Gly	Arg	Thr	Val	Thr	Phe	Pro	Cys	Glu	Thr	Lys	Gly	Asn	Pro
				335					340					345
Gln	Pro	Ala	Val	Phe	Trp	Gln	Lys	Glu	Gly	Ser	Gln	Asn	Leu	Leu
				350					355					360
Phe	Pro	Asn	Gln	Pro	Gln	Gln	Pro	Asn	Ser	Arg	Cys	Ser	Val	Ser

Pro Thr Gly Asp	365	Leu Thr Ile Thr Asn	370	Ile Gln Arg Ser Asp	375
Gly Tyr Tyr Ile	380	Cys Gln Ala Leu Thr	385	Val Ala Gly Ser Ile	390
Ala Lys Ala Gln	395	Leu Glu Val Thr Asp	400	Val Leu Thr Asp Arg	405
Pro Pro Ile Ile	410	Leu Gln Gly Pro Ala	415	Asn Gln Thr Leu Ala	420
Asp Gly Thr Ala	425	Leu Leu Lys Cys Lys	430	Ala Thr Gly Asp Pro	435
Pro Val Ile Ser	440	Trp Leu Lys Glu Gly	445	Phe Thr Phe Pro Gly	450
Asp Pro Arg Ala	455	Thr Ile Gln Glu Gln	460	Gly Thr Leu Gln Ile	465
Asn Leu Arg Ile	470	Ser Asp Thr Gly Thr	475	Tyr Thr Cys Val Ala	480
Ser Ser Ser Gly	485	Glu Thr Ser Trp Ser	490	Ala Val Leu Asp Val	495
Glu Ser Gly Ala	500	Thr Ile Ser Lys Asn	505	Tyr Asp Leu Ser Asp	510
Pro Gly Pro Pro	515	Ser Lys Pro Gln Val	520	Thr Asp Val Thr Lys	525
Ser Val Thr Leu	530	Ser Trp Gln Pro Gly	535	Thr Pro Gly Thr Leu	540
Ala Ser Ala Tyr	545	Ile Ile Glu Ala Phe	550	Ser Gln Ser Val Ser	555
Ser Trp Gln Thr	560	Val Ala Asn His Val	565	Lys Thr Thr Leu Tyr	570
Val Arg Gly Leu	575	Arg Pro Asn Thr Ile	580	Tyr Leu Phe Met Val	585
Ala Ile Asn Pro	590	Gln Gly Leu Ser Asp	595	Pro Ser Pro Met Ser	600
Pro Val Arg Thr	605	Gln Asp Ile Ser Pro	610	Pro Ala Gln Gly Val	615
His Arg Gln Val	620	Gln Lys Glu Leu Gly	625	Asp Val Leu Val Arg	630
His Asn Pro Val	635	Val Leu Thr Pro Thr	640	Thr Val Gln Val Thr	645
Thr Val Asp Arg	650	Gln Pro Gln Phe Ile	655	Gln Gly Tyr Arg Val	660
Tyr Arg Gln Thr	665	Ser Gly Leu Gln Ala	670	Thr Ser Ser Trp Gln	675
Leu Asp Ala Lys	680	Val Pro Thr Glu Arg	685	Ser Ala Val Leu Val	690
Leu Lys Lys Gly	695	Val Thr Tyr Glu Ile	700	Lys Val Arg Pro Tyr	705
Asn Glu Phe Gln	710	Gly Met Asp Ser Glu	715	Ser Lys Thr Val Arg	720
Thr Glu Glu Ala	725	Pro Ser Ala Pro Pro	730	Gln Ser Val Thr Val	735
Thr Val Gly Ser	740	Tyr Asn Ser Thr Ser	745	Ile Ser Val Ser Trp	750
Pro Pro Pro Pro	755	Asp His Gln Asn Gly	760	Ile Ile Gln Glu Tyr	765
Ile Trp Cys Leu	770	Gly Asn Glu Thr Arg	775	Phe His Ile Asn Lys	780
Val Asp Ala Ala	785	Ile Arg Ser Val Ile	790	Ile Gly Gly Leu Phe	795
Gly Ile Gln Tyr	800	Arg Val Glu Val Ala	805	Ala Ser Thr Ser Ala	810
Val Gly Val Lys	815	Ser Glu Pro Gln Pro	820	Ile Ile Ile Gly Arg	825
	830		835		840

Asn	Glu	Val	Val	Ile	Thr	Glu	Asn	Asn	Asn	Ser	Ile	Thr	Glu	Gln
				845					850					855
Ile	Thr	Asp	Val	Val	Lys	Gln	Pro	Ala	Phe	Ile	Ala	Gly	Ile	Gly
				860					865					870
Gly	Ala	Cys	Trp	Val	Ile	Leu	Met	Gly	Phe	Ser	Ile	Trp	Leu	Tyr
				875					880					885
Trp	Arg	Arg	Lys	Lys	Arg	Lys	Gly	Leu	Ser	Asn	Tyr	Ala	Val	Thr
				890					895					900
Phe	Gln	Arg	Gly	Asp	Gly	Gly	Leu	Met	Ser	Asn	Gly	Ser	Arg	Pro
				905					910					915
Gly	Leu	Leu	Asn	Ala	Gly	Asp	Pro	Ser	Tyr	Pro	Trp	Leu	Ala	Asp
				920					925					930
Ser	Trp	Pro	Ala	Thr	Ser	Leu	Pro	Val	Asn	Asn	Ser	Asn	Ser	Gly
				935					940					945
Pro	Asn	Glu	Ile	Gly	Asn	Phe	Gly	Arg	Gly	Asp	Val	Leu	Pro	Pro
				950					955					960
Val	Pro	Gly	Gln	Gly	Asp	Lys	Thr	Ala	Thr	Met	Leu	Ser	Asp	Gly
				965					970					975
Ala	Ile	Tyr	Ser	Ser	Ile	Asp	Phe	Thr	Thr	Lys	Thr	Ser	Tyr	Asn
				980					985					990
Ser	Ser	Ser	Gln	Ile	Thr	Gln	Ala	Thr	Pro	Tyr	Ala	Thr	Thr	Gln
				995					1000					1005
Ile	Leu	His	Ser	Asn	Ser	Ile	His	Glu	Leu	Ala	Val	Asp	Leu	Pro
				1010					1015					1020
Asp	Pro	Gln	Trp	Lys	Ser	Ser	Ile	Gln	Gln	Lys	Thr	Asp	Leu	Met
				1025					1030					1035
Gly	Phe	Gly	Tyr	Ser	Leu	Pro	Asp	Gln	Asn	Lys	Gly	Asn	Asn	Gly
				1040					1045					1050
Gly	Lys	Gly	Gly	Lys	Lys	Lys	Asn	Lys	Asn	Ser	Ser	Lys	Pro	
				1055					1060					1065
Gln	Lys	Asn	Asn	Gly	Ser	Thr	Trp	Ala	Asn	Val	Pro	Leu	Pro	Pro
				1070					1075					1080
Pro	Pro	Val	Gln	Pro	Leu	Pro	Gly	Thr	Glu	Leu	Glu	His	Tyr	Ala
				1085					1090					1095
Val	Glu	Gln	Gln	Glu	Asn	Gly	Tyr	Asp	Ser	Asp	Ser	Trp	Cys	Pro
				1100					1105					1110
Pro	Leu	Pro	Val	Gln	Thr	Tyr	Leu	His	Gln	Gly	Leu	Glu	Asp	Glu
				1115					1120					1125
Leu	Glu	Glu	Asp	Asp	Asp	Arg	Val	Pro	Thr	Pro	Pro	Val	Arg	Gly
				1130					1135					1140
Val	Ala	Ser	Ser	Pro	Ala	Ile	Ser	Phe	Gly	Gln	Gln	Ser	Thr	Ala
				1145					1150					1155
Thr	Leu	Thr	Pro	Ser	Pro	Arg	Glu	Glu	Met	Gln	Pro	Met	Leu	Gln
				1160					1165					1170
Ala	His	Leu	Asp	Glu	Leu	Thr	Arg	Ala	Tyr	Gln	Phe	Asp	Ile	Ala
				1175					1180					1185
Lys	Gln	Thr	Trp	His	Ile	Gln	Ser	Asn	Asn	Gln	Pro	Pro	Gln	Pro
				1190					1195					1200
Pro	Val	Pro	Pro	Leu	Gly	Tyr	Val	Ser	Gly	Ala	Leu	Ile	Ser	Asp
				1205					1210					1215
Leu	Glu	Thr	Asp	Val	Ala	Asp	Asp	Asp	Ala	Asp	Asp	Glu	Glu	Glu
				1220					1225					1230
Ala	Leu	Glu	Ile	Pro	Arg	Pro	Leu	Arg	Ala	Leu	Asp	Gln	Thr	Pro
				1235					1240					1245
Gly	Ser	Ser	Met	Asp	Asn	Leu	Asp	Ser	Ser	Val	Thr	Gly	Lys	Ala
				1250					1255					1260
Phe	Thr	Ser	Ser	Gln	Arg	Pro	Arg	Pro	Thr	Ser	Pro	Phe	Ser	Thr
				1265					1270					1275
Asp	Ser	Asn	Thr	Ser	Ala	Ala	Leu	Ser	Gln	Ser	Gln	Arg	Pro	Arg
				1280					1285					1290
Pro	Thr	Lys	Lys	His	Lys	Gly	Gly	Arg	Met	Asp	Gln	Gln	Pro	Ala
				1295					1300					1305
Leu	Pro	His	Arg	Arg	Glu	Gly	Met	Thr	Asp	Asp	Leu	Pro	Pro	Pro

Pro Asp Pro Pro Pro	1310		1315		1320
Gly Gln Gly Leu Arg		Gln Gln Ile Gly Pro			
1325		1330		1335	
Ser Gln Gln Ala Gly	Asn Val Glu Asn Ser	Ala Glu Arg Lys Gly			
1340		1345		1350	
Ser Ser Leu Glu Arg	Gln His Ala Ser Ser	Leu Glu Asp Thr Lys			
1355		1360		1365	
Ser Ser Leu Asp Cys	Pro Ala Arg Thr Ser	Leu Glu Trp Gln Arg			
1370		1375		1380	
Gln Thr Gln Glu Trp	Ile Ser Ser Thr Glu	Arg Gln Glu Asp Ile			
1385		1390		1395	
Arg Lys Ala Pro His	Lys Gln Gly Val Gly	Ser Glu Glu Ala Leu			
1400		1405		1410	
Val Pro Tyr Ser Lys	Pro Ser Phe Pro Ser	Pro Gly Gly His Ser			
1415		1420		1425	
Ser Ser Gly Thr Ala	Ser Ser Lys Gly Ser	Thr Gly Pro Arg Lys			
1430		1435		1440	
Thr Glu Val Leu Arg	Ala Gly His Gln Arg	Asn Ala Ser Asp Leu			
1445		1450		1455	
Leu Asp Ile Gly Tyr	Met Gly Ser Asn Ser	Gln Gly Gln Phe Thr			
1460		1465		1470	
Gly Glu Leu					

<210> 24
 <211> 778
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524024CD1

<400> 24

Met Lys Pro Phe Gln	Leu Asp Leu Leu Phe	Val Cys Phe Phe Leu
1	5	10
Phe Ser Gln Glu Leu	Gly Leu Gln Lys Arg	Gly Cys Cys Leu Val
20	25	30
Leu Gly Tyr Met Ala	Lys Asp Lys Phe Arg	Arg Met Asn Glu Gly
35	40	45
Gln Val Tyr Ser Phe	Ser Gln Gln Pro Gln	Asp Gln Val Val Val
50	55	60
Ser Gly Gln Pro Val	Thr Leu Leu Cys Ala	Ile Pro Glu Tyr Asp
65	70	75
Gly Phe Val Leu Trp	Ile Lys Asp Gly Leu	Ala Leu Gly Val Gly
80	85	90
Arg Asp Leu Ser Ser	Tyr Pro Gln Tyr Leu	Val Val Gly Asn His
95	100	105
Leu Ser Gly Glu His	His Leu Lys Ile Leu	Arg Ala Glu Leu Gln
110	115	120
Asp Asp Ala Val Tyr	Glu Cys Gln Ala Ile	Gln Ala Ala Ile Arg
125	130	135
Ser Arg Pro Ala Arg	Leu Thr Val Leu Val	Pro Pro Asp Asp Pro
140	145	150
Val Ile Leu Gly Gly	Pro Val Ile Ser Leu	Arg Ala Gly Asp Pro
155	160	165
Leu Asn Leu Thr Cys	His Ala Asp Asn Ala	Lys Pro Ala Ala Ser
170	175	180
Ile Ile Trp Leu Arg	Lys Gly Glu Val Ile	Asn Gly Ala Thr Tyr
185	190	195
Ser Lys Thr Leu Leu	Arg Asp Gly Lys Arg	Glu Ser Ile Val Ser
200	205	210
Thr Leu Phe Val Ser	Pro Gly Asp Val Glu	Asn Gly Gln Ser Ile

	215		220		225
Val Cys Arg Ala	Thr Asn Lys Ala Ile	Pro Gly Gly Lys Glu Thr			
	230		235		240
Ser Val Thr Ile	Asp Ile Gln His Pro	Pro Leu Val Asn Leu Ser			
	245		250		255
Val Glu Pro Gln	Pro Val Leu Glu Asp	Asn Val Val Thr Phe His			
	260		265		270
Cys Ser Ala Lys	Ala Asn Pro Ala Val	Thr Gln Tyr Arg Trp Ala			
	275		280		285
Lys Arg Gly Gln	Ile Ile Lys Glu Ala	Ser Gly Glu Val Tyr Arg			
	290		295		300
Thr Thr Val Asp	Tyr Thr Tyr Phe Ser	Glu Pro Val Ser Cys Glu			
	305		310		315
Val Thr Asn Ala	Leu Gly Ser Thr Asn	Leu Ser Arg Ala Val Asp			
	320		325		330
Val Tyr Phe Gly	Pro Arg Met Thr Thr	Glu Pro Gln Ser Leu Leu			
	335		340		345
Val Asp Leu Gly	Ser Asp Ala Ile Phe	Ser Cys Ala Trp Thr Gly			
	350		355		360
Asn Pro Ser Leu	Thr Ile Val Trp Met	Lys Arg Gly Ser Gly Val			
	365		370		375
Val Leu Ser Asn	Glu Lys Thr Leu Thr	Leu Lys Ser Val Arg Gln			
	380		385		390
Glu Asp Ala Gly	Lys Tyr Val Cys Arg	Ala Val Val Pro Arg Val			
	395		400		405
Gly Ala Gly Glu	Arg Glu Val Thr Leu	Thr Val Asn Gly Pro Pro			
	410		415		420
Ile Ile Ser Ser	Thr Gln Thr Gln His	Ala Leu His Gly Glu Lys			
	425		430		435
Gly Gln Ile Lys	Cys Phe Ile Arg Ser	Thr Pro Pro Pro Asp Arg			
	440		445		450
Ile Ala Trp Ser	Trp Lys Glu Asn Val	Leu Glu Ser Gly Thr Ser			
	455		460		465
Gly Arg Tyr Thr	Val Glu Thr Ile Ser	Thr Glu Glu Gly Val Ile			
	470		475		480
Ser Thr Leu Thr	Ile Ser Asn Ile Val	Arg Ala Asp Phe Gln Thr			
	485		490		495
Ile Tyr Asn Cys	Thr Ala Trp Asn Ser	Phe Gly Ser Asp Thr Glu			
	500		505		510
Ile Ile Arg Leu	Lys Glu Gln Gly Ser	Glu Met Lys Ser Gly Ala			
	515		520		525
Gly Leu Glu Ala	Glu Ser Val Pro Met	Ala Val Ile Ile Gly Val			
	530		535		540
Ala Val Gly Ala	Gly Val Ala Phe Leu	Val Leu Met Ala Thr Ile			
	545		550		555
Val Ala Phe Cys	Cys Ala Arg Ser Gln	Arg Asn Leu Lys Gly Val			
	560		565		570
Val Ser Ala Lys	Asn Asp Ile Arg Val	Glu Ile Val His Lys Glu			
	575		580		585
Pro Ala Ser Gly	Arg Glu Gly Glu Glu	His Ser Thr Ile Lys Gln			
	590		595		600
Leu Met Met Asp	Arg Gly Glu Phe Gln	Gln Asp Ser Val Leu Lys			
	605		610		615
Gln Leu Glu Val	Leu Lys Glu Glu Glu	Lys Glu Phe Gln Asn Leu			
	620		625		630
Lys Asp Pro Thr	Asn Gly Tyr Tyr Ser	Val Asn Thr Phe Lys Glu			
	635		640		645
His His Ser Thr	Pro Thr Ile Ser Leu	Ser Ser Cys Gln Pro Asp			
	650		655		660
Leu Arg Pro Ala	Gly Lys Gln Arg Val	Pro Thr Gly Met Ser Phe			
	665		670		675
Thr Asn Ile Tyr	Ser Thr Leu Ser Gly	Gln Gly Arg Leu Tyr Asp			
	680		685		690

Tyr	Gly	Gln	Arg	Phe	Val	Leu	Gly	Met	Gly	Ser	Ser	Ser	Ile	Glu	
				695					700					705	
Leu	Cys	Glu	Arg	Glu	Phe	Gln	Arg	Gly	Ser	Leu	Ser	Asp	Ser	Ser	
				710					715					720	
Ser	Phe	Leu	Asp	Thr	Gln	Cys	Asp	Ser	Ser	Val	Ser	Ser	Ser	Gly	
				725					730					735	
Lys	Gln	Asp	Gly	Tyr	Val	Gln	Phe	Asp	Lys	Ala	Ser	Lys	Ala	Ser	
				740					745					750	
Ala	Ser	Ser	Ser	His	His	Ser	Gln	Ser	Ser	Ser	Gln	Asn	Ser	Asp	
				755					760					765	
Pro	Ser	Arg	Pro	Leu	Gln	Arg	Arg	Met	Gln	Thr	His	Val			
				770					775						

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<211> 279

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522455CD1

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Met	Gly	Glu	Ile	Val	Thr	Glu	Gln	Gln	Thr	Gly	Gln	Lys	Ile	Gln	
				20					25					30	
Ile	Val	Thr	Ala	Leu	Asp	His	Asn	Thr	Gln	Gly	Lys	Gln	Phe	Ile	
				35					40					45	
Leu	Thr	Asn	His	Asp	Gly	Ser	Thr	Pro	Ser	Lys	Val	Ile	Leu	Ala	
				50					55					60	
Arg	Gln	Asp	Ser	Thr	Pro	Gly	Lys	Val	Phe	Leu	Thr	Thr	Pro	Asp	
				65					70					75	
Ala	Ala	Gly	Val	Asn	Gln	Leu	Phe	Phe	Thr	Thr	Pro	Asp	Leu	Ser	
				80					85					90	
Ala	Gln	His	Leu	Gln	Leu	Leu	Thr	Asp	Asn	Ser	Pro	Asp	Gln	Gly	
				95					100					105	
Pro	Asn	Lys	Val	Phe	Asp	Leu	Cys	Val	Val	Cys	Gly	Asp	Lys	Ala	
				110					115					120	
Ser	Gly	Arg	His	Tyr	Gly	Ala	Val	Thr	Cys	Glu	Gly	Cys	Lys	Gly	
				125					130					135	
Phe	Phe	Lys	Arg	Ser	Ile	Arg	Lys	Asn	Leu	Val	Tyr	Ser	Cys	Arg	
				140					145					150	
Gly	Ser	Lys	Asp	Cys	Ile	Ile	Asn	Lys	His	His	Arg	Asn	Arg	Cys	
				155					160					165	
Gln	Tyr	Cys	Arg	Leu	Gln	Arg	Cys	Ile	Ala	Phe	Gly	Met	Lys	Gln	
				170					175					180	
Asp	Ser	Val	Gln	Cys	Glu	Arg	Lys	Pro	Ile	Glu	Val	Ser	Arg	Glu	
				185					190					195	
Lys	Ser	Ser	Asn	Cys	Ala	Ala	Ser	Thr	Glu	Lys	Ile	Tyr	Ile	Arg	
				200					205					210	
Lys	Asp	Leu	Arg	Ser	Pro	Leu	Thr	Ala	Thr	Pro	Thr	Phe	Val	Thr	
				215					220					225	
Asp	Ser	Glu	Ser	Thr	Arg	Ser	Thr	Gly	Leu	Leu	Asp	Ser	Gly	Met	
				230					235					240	
Phe	Met	Asn	Ile	His	Pro	Ser	Gly	Val	Lys	Thr	Glu	Ser	Ala	Val	
				245					250					255	
Leu	Met	Thr	Ser	Asp	Lys	Lys	Cys	Arg	Pro	Thr	Val	Met	Phe	Gln	
				260					265					270	
Gly	His	Leu	Thr	Leu	Leu	Gln	Lys	His							
				275											

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<211> 1360

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524494CD1

<400> 26

Met	Glu	Leu	Leu	Pro	Pro	Leu	Pro	Gln	Ser	Phe	Leu	Leu	Leu	Leu	1	5	10	15
Leu	Leu	Pro	Ala	Lys	Pro	Ala	Ala	Gly	Glu	Asp	Trp	Gln	Cys	Pro	20	25	30	35
Arg	Thr	Pro	Tyr	Ala	Ala	Ser	Arg	Asp	Phe	Asp	Val	Lys	Tyr	Val	40	45	50	55
Val	Pro	Ser	Phe	Ser	Ala	Gly	Gly	Leu	Val	Gln	Ala	Met	Val	Thr	60	65	70	75
Tyr	Glu	Gly	Asp	Arg	Asn	Glu	Gly	Ala	Val	Phe	Val	Ala	Ile	Arg	80	85	90	95
Asn	Arg	Leu	His	Val	Leu	Gly	Pro	Asp	Leu	Lys	Ser	Val	Gln	Ser	100	105	110	115
Leu	Ala	Thr	Gly	Pro	Ala	Gly	Asp	Pro	Gly	Cys	Gln	Thr	Cys	Ala	120	125	130	135
Ala	Cys	Gly	Pro	Gly	Pro	His	Gly	Pro	Pro	Gly	Gly	Thr	Asp	Thr	140	145	150	155
Lys	Val	Leu	Val	Leu	Asp	Pro	Ala	Leu	Pro	Ala	Leu	Val	Ser	Cys	160	165	170	175
Gly	Ser	Ser	Leu	Gln	Gly	Arg	Cys	Phe	Leu	His	Asp	Leu	Glu	Pro	180	185	190	195
Gln	Gly	Thr	Ala	Val	His	Leu	Ala	Ala	Pro	Ala	Cys	Leu	Phe	Ser	200	205	210	215
Ala	His	His	Asn	Arg	Pro	Asp	Asp	Cys	Pro	Asp	Cys	Val	Ala	Ser	220	225	230	235
Pro	Leu	Gly	Thr	Arg	Val	Thr	Val	Val	Glu	Gln	Gly	Gln	Ala	Ser	240	245	250	255
Tyr	Phe	Tyr	Val	Ala	Ser	Ser	Leu	Asp	Ala	Ala	Val	Ala	Ala	Ser	260	265	270	275
Phe	Ser	Pro	Arg	Ser	Val	Ser	Ile	Arg	Arg	Leu	Lys	Ala	Asp	Ala	280	285	290	295
Ser	Gly	Phe	Ala	Pro	Gly	Phe	Val	Ala	Leu	Ser	Val	Leu	Pro	Lys	300	305	310	315
His	Leu	Val	Ser	Tyr	Ser	Ile	Glu	Tyr	Val	His	Ser	Phe	His	Thr	320	325	330	335
Gly	Ala	Phe	Val	Tyr	Phe	Leu	Thr	Val	Gln	Pro	Ala	Ser	Val	Thr	340	345	350	355
Asp	Asp	Pro	Ser	Ala	Leu	His	Thr	Arg	Leu	Ala	Arg	Leu	Ser	Ala	360	365	370	375
Thr	Glu	Pro	Glu	Leu	Gly	Asp	Tyr	Arg	Glu	Leu	Val	Leu	Asp	Cys	380	385	390	395
Arg	Phe	Ala	Pro	Lys	Arg	Arg	Arg	Arg	Gly	Ala	Pro	Glu	Gly	Gly	400			
Gln	Pro	Tyr	Leu	Val	Leu	Arg	Val	Ala	His	Ser	Ala	Pro	Val	Gly				
Ala	Gln	Leu	Ala	Thr	Glu	Leu	Ser	Ile	Ala	Glu	Gly	Gln	Glu	Val				
Leu	Phe	Gly	Val	Phe	Val	Thr	Gly	Lys	Asp	Gly	Gly	Pro	Gly	Val				
Gly	Pro	Asn	Ser	Val	Val	Cys	Ala	Phe	Pro	Ile	Asp	Leu	Leu	Asp				
Thr	Leu	Ile	Asp	Glu	Gly	Val	Glu	Arg	Cys	Cys	Glu	Ser	Pro	Val				
His	Pro	Gly	Leu	Arg	Arg	Gly	Leu	Asp	Phe	Phe	Gln	Ser	Pro	Ser				

Phe	Cys	Pro	Asn	Pro	Pro	Gly	Leu	Glu	Ala	Leu	Ser	Pro	Asn	Thr
				410					415					420
Ser	Cys	Arg	His	Phe	Pro	Leu	Leu	Val	Ser	Ser	Ser	Phe	Ser	Arg
				425					430					435
Val	Asp	Leu	Phe	Asn	Gly	Leu	Leu	Gly	Pro	Val	Gln	Val	Thr	Ala
				440					445					450
Leu	Tyr	Val	Thr	Arg	Phe	Asp	Asn	Val	Thr	Val	Ala	His	Met	Gly
				455					460					465
Thr	Met	Asp	Gly	Arg	Ile	Leu	Gln	Val	Glu	Leu	Val	Arg	Ser	Leu
				470					475					480
Asn	Tyr	Leu	Leu	Tyr	Val	Ser	Asn	Phe	Ser	Leu	Gly	Asp	Ser	Gly
				485					490					495
Gln	Pro	Val	Gln	Arg	Asp	Val	Ser	Arg	Leu	Gly	Asp	His	Leu	Leu
				500					505					510
Phe	Ala	Ser	Gly	Asp	Gln	Val	Phe	Gln	Val	Pro	Ile	Arg	Gly	Pro
				515					520					525
Gly	Cys	Arg	His	Phe	Leu	Thr	Cys	Gly	Arg	Cys	Leu	Arg	Ala	Trp
				530					535					540
His	Phe	Met	Gly	Cys	Gly	Trp	Cys	Gly	Asn	Met	Cys	Gly	Gln	Gln
				545					550					555
Lys	Glu	Cys	Pro	Gly	Ser	Trp	Gln	Gln	Asp	His	Cys	Pro	Pro	Lys
				560					565					570
Leu	Thr	Glu	Phe	His	Pro	His	Ser	Gly	Pro	Leu	Arg	Gly	Ser	Thr
				575					580					585
Arg	Leu	Thr	Leu	Cys	Gly	Ser	Asn	Phe	Tyr	Leu	His	Pro	Ser	Gly
				590					595					600
Leu	Val	Pro	Glu	Gly	Thr	His	Gln	Val	Thr	Val	Gly	Gln	Ser	Pro
				605					610					615
Cys	Arg	Pro	Leu	Pro	Lys	Asp	Ser	Ser	Lys	Leu	Arg	Pro	Val	Pro
				620					625					630
Arg	Lys	Asp	Phe	Val	Glu	Glu	Phe	Glu	Cys	Glu	Leu	Glu	Pro	Leu
				635					640					645
Gly	Thr	Gln	Ala	Val	Gly	Pro	Thr	Asn	Val	Ser	Leu	Thr	Val	Thr
				650					655					660
Asn	Met	Pro	Pro	Gly	Lys	His	Phe	Arg	Val	Asp	Gly	Thr	Ser	Val
				665					670					675
Leu	Arg	Gly	Phe	Ser	Phe	Met	Glu	Pro	Val	Leu	Ile	Ala	Val	Gln
				680					685					690
Pro	Leu	Phe	Gly	Pro	Arg	Ala	Gly	Gly	Thr	Cys	Leu	Thr	Leu	Glu
				695					700					705
Gly	Gln	Ser	Leu	Ser	Val	Gly	Thr	Ser	Arg	Ala	Val	Leu	Val	Asn
				710					715					720
Gly	Thr	Glu	Cys	Leu	Leu	Ala	Arg	Val	Ser	Glu	Gly	Gln	Leu	Leu
				725					730					735
Cys	Thr	Thr	Pro	Pro	Gly	Ala	Thr	Val	Ala	Ser	Val	Pro	Leu	Ser
				740					745					750
Leu	Gln	Val	Gly	Gly	Ala	Gln	Val	Pro	Gly	Ser	Trp	Thr	Phe	Gln
				755					760					765
Tyr	Arg	Glu	Asp	Pro	Val	Val	Leu	Ser	Ile	Ser	Pro	Asn	Cys	Gly
				770					775					780
Tyr	Ile	Asn	Ser	His	Ile	Thr	Ile	Cys	Gly	Gln	His	Leu	Thr	Ser
				785					790					795
Ala	Trp	His	Leu	Val	Leu	Ser	Phe	His	Asp	Gly	Leu	Arg	Ala	Val
				800					805					810
Glu	Ser	Arg	Cys	Glu	Arg	Gln	Leu	Pro	Glu	Gln	Gln	Leu	Cys	Arg
				815					820					825
Leu	Pro	Glu	Tyr	Val	Val	Arg	Asp	Pro	Gln	Gly	Trp	Val	Ala	Gly
				830					835					840
Asn	Leu	Ser	Ala	Arg	Gly	Asp	Gly	Ala	Ala	Gly	Phe	Thr	Leu	Pro
				845					850					855
Gly	Phe	Arg	Phe	Leu	Pro	Pro	Pro	His	Pro	Pro	Ser	Ala	Asn	Leu
				860					865					870
Val	Pro	Leu	Lys	Pro	Glu	Glu	His	Ala	Ile	Lys	Phe	Glu	Leu	Gly

Gln Asp Gly Ala	875	Pro Leu Gln Val Cys	880	Val Asp Gly Glu Cys	885
Ile Leu Gly Arg	890	Val Val Arg Pro Gly	895	Pro Asp Gly Val Pro	900
Ser Thr Leu Leu	905	Gly Ile Leu Leu Pro	910	Leu Leu Leu Val Ala	915
Ala Leu Ala Thr	920	Ala Leu Val Phe Ser	925	Trp Trp Arg Arg Lys	930
Gln Leu Val Leu	935	Pro Pro Asn Leu Asn	940	Asp Leu Ala Ser Leu Asp	945
Gln Thr Ala Gly	950	Ala Thr Pro Leu Pro	955	Ile Leu Tyr Ser Gly Ser	960
Asp Tyr Arg Ser	965	Gly Leu Ala Leu Pro	970	Ala Ile Asp Gly Leu Asp	975
Ser Thr Thr Cys	980	Val His Gly Ala Ser	985	Phe Ser Asp Ser Glu Asp	990
Glu Ser Cys Val	995	Pro Leu Leu Arg Lys	1000	Glu Ser Ile Gln Leu Arg	1005
Asp Leu Asp Ser	1010	Ala Leu Leu Ala Glu	1015	Val Lys Asp Val Leu Ile	1020
Pro His Glu Arg	1025	Val Val Thr His Ser	1030	Asp Arg Val Ile Gly Lys	1035
Gly His Phe Gly	1040	Val Val Tyr His Gly	1045	Glu Tyr Ile Asp Gln Ala	1050
Gln Asn Arg Ile	1055	Gln Cys Ala Ile Lys	1060	Ser Leu Ser Arg Ile Thr	1065
Glu Met Gln Gln	1070	Val Glu Ala Phe Leu	1075	Arg Glu Gly Leu Leu Met	1080
Arg Gly Leu Asn	1085	His Pro Asn Val Leu	1090	Ala Leu Ile Gly Ile Met	1095
Leu Pro Pro Glu	1100	Gly Leu Pro His Val	1105	Leu Leu Pro Tyr Met Cys	1110
His Gly Asp Leu	1115	Leu Gln Phe Ile Arg	1120	Ser Pro Gln Arg Asn Pro	1125
Thr Val Lys Asp	1130	Leu Ile Ser Phe Gly	1135	Leu Gln Val Ala Arg Gly	1140
Met Glu Tyr Leu	1145	Ala Glu Gln Lys Phe	1150	Val His Arg Asp Leu Ala	1155
Ala Arg Asn Cys	1160	Met Leu Asp Glu Ser	1165	Phe Thr Val Lys Val Ala	1170
Asp Phe Gly Leu	1175	Ala Arg Asp Ile Leu	1180	Asp Arg Glu Tyr Tyr Ser	1185
Val Gln Gln His	1190	Arg His Ala Arg Leu	1195	Pro Val Lys Trp Met Ala	1200
Leu Glu Ser Leu	1205	Gln Thr Tyr Arg Phe	1210	Thr Thr Lys Ser Asp Val	1215
Trp Ser Phe Gly	1220	Val Leu Leu Trp Glu	1225	Leu Leu Thr Arg Gly Ala	1230
Pro Pro Tyr Arg	1235	His Ile Asp Pro Phe	1240	Asp Leu Thr His Phe Leu	1245
Ala Gln Gly Arg	1250	Arg Leu Pro Gln Pro	1255	Glu Tyr Cys Pro Asp Ser	1260
Leu Tyr Gln Val	1265	Met Gln Gln Cys Trp	1270	Glu Ala Asp Pro Ala Val	1275
Arg Pro Thr Phe	1280	Gly Val Leu Val Gly	1285	Glu Val Glu Gln Ile Val	1290
Ser Ala Leu Leu	1295	Gly Asp His Tyr Val	1300	Gln Leu Pro Ala Thr Tyr	1305
Met Asn Leu Gly	1310	Pro Ser Thr Ser His	1315	Glu Met Asn Val Arg Pro	1320
Glu Gln Pro Gln	1325	Phe Ser Pro Met Pro	1330	Gly Asn Val Arg Arg Pro	1335
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Arg Pro Leu Ser Glu Pro Pro Arg Pro Thr
1355 1360

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<213> Homo sapiens

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<223> Incyte ID No: 7524965CD1

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Met Ala Gln Lys Glu Gly Gly Arg Thr Val Pro Cys Cys Ser Arg
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Pro Lys Val Ala Ala Leu Thr Ala Gly Thr Leu Leu Leu Leu Thr
20 25 30
Ala Ile Gly Ala Ala Ser Trp Ala Ile Val Ala Val Leu Leu Arg
35 40 45
Ser Asp Gln Glu Pro Leu Tyr Pro Asp Val Gln Asn Glu Asp Gln
50 55 60
Arg Gly His Ala Ala Gly Glu Arg Gly Ala Arg Asn Ser Ser
65 70

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<213> Homo sapiens

<220>
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<223> Incyte ID No: 7525018CD1

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Met Glu Pro Leu Val Thr Trp Val Val Pro Leu Leu Phe Leu Phe
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Leu Leu Ser Arg Gln Gly Ala Ala Cys Arg Thr Ser Glu Cys Cys
20 25 30
Phe Gln Asp Pro Tyr Pro Asp Ala Asp Ser Gly Ser Ala Ser
35 40 45
Gly Pro Arg Asp Leu Arg Cys Tyr Arg Ile Ser Ser Asp Arg Tyr
50 55 60
Glu Cys Ser Trp Gln Tyr Glu Gly Pro Thr Ala Gly Val Ser His
65 70 75
Phe Leu Arg Cys Cys Leu Ser Ser Gly Arg Cys Cys Tyr Phe Ala
80 85 90
Ala Gly Ser Ala Thr Arg Leu Gln Phe Ser Asp Gln Ala Gly Val
95 100 105
Ser Val Leu Tyr Thr Val Thr Leu Trp Val Glu Ser Trp Ala Arg
110 115 120
Asn Gln Thr Glu Lys Ser Pro Glu Val Thr Leu Gln Leu Tyr Asn
125 130 135
Ser Val Lys Tyr Glu Pro Pro Leu Gly Asp Ile Lys Val Ser Lys
140 145 150
Leu Ala Gly Gln Leu Arg Met Glu Trp Glu Thr Pro Asp Asn Gln
155 160 165
Val Gly Ala Glu Val Gln Phe Arg His Arg Thr Pro Ser Ser Pro
170 175 180
Trp Lys Leu Gly Asp Cys Gly Pro Gln Asp Asp Asp Thr Glu Ser
185 190 195
Cys Leu Cys Pro Leu Glu Met Asn Val Ala Gln Glu Phe Gln Leu
200 205 210
Arg Arg Arg Gln Leu Gly Ser Gln Gly Ser Ser Trp Ser Lys Trp

	215		220		225
Ser Ser Pro Val	Cys Val Pro Pro Glu	Asn Pro Pro Gln Pro	Gln		
	230		235		240
Val Arg Phe Ser	Val Glu Gln Leu Gly	Gln Asp Gly Arg Arg	Arg		
	245		250		255
Leu Thr Leu Lys	Glu Gln Pro Thr Gln	Leu Glu Leu Pro Glu	Gly		
	260		265		270
Cys Gln Gly Leu	Ala Pro Gly Thr Glu	Val Thr Tyr Arg Leu	Gln		
	275		280		285
Leu His Met Leu	Ser Cys Pro Cys Lys	Ala Lys Ala Thr Arg	Thr		
	290		295		300
Leu His Leu Gly	Lys Met Pro Tyr Leu	Ser Gly Ala Ala Tyr	Asn		
	305		310		315
Val Ala Val Ile	Ser Ser Asn Gln Phe	Gly Pro Gly Leu Asn	Gln		
	320		325		330
Thr Trp His Ile	Pro Ala Asp Thr His	Thr Glu Pro Val Ala	Leu		
	335		340		345
Asn Ile Ser Val	Gly Thr Asn Gly Thr	Thr Met Tyr Trp Pro	Ala		
	350		355		360
Arg Ala Gln Ser	Met Thr Tyr Cys Ile	Glu Trp Gln Pro Val	Gly		
	365		370		375
Gln Asp Gly Gly	Leu Ala Thr Cys Ser	Leu Thr Ala Pro Gln	Asp		
	380		385		390
Pro Asp Pro Ala	Gly Met Ala Thr Tyr	Ser Trp Ser Arg Glu	Ser		
	395		400		405
Gly Ala Met Gly	Gln Glu Lys Cys Tyr	Tyr Ile Thr Ile Phe	Ala		
	410		415		420
Ser Ala His Pro	Glu Lys Leu Thr Leu	Trp Ser Thr Val Leu	Ser		
	425		430		435
Thr Tyr His Phe	Gly Gly Asn Ala Ser	Ala Ala Gly Thr Pro	His		
	440		445		450
His Val Ser Val	Lys Asn His Ser Leu	Asp Ser Val Ser Val	Asp		
	455		460		465
Trp Ala Pro Ser	Leu Leu Ser Thr Cys	Pro Gly Val Leu Lys	Glu		
	470		475		480
Tyr Val Val Arg	Cys Arg Asp Glu Asp	Ser Lys Gln Val Ser	Glu		
	485		490		495
His Pro Val Gln	Pro Thr Glu Thr Gln	Val Thr Leu Ser Gly	Leu		
	500		505		510
Arg Ala Gly Val	Ala Tyr Thr Val Gln	Val Arg Ala Asp Thr	Ala		
	515		520		525
Trp Leu Arg Gly	Val Trp Ser Gln Pro	Gln Arg Phe Ser Ile	Glu		
	530		535		540
Val Gln Val Ser	Asp Trp Leu Ile Phe	Phe Ala Ser Leu Gly	Ser		
	545		550		555
Phe Leu Ser Ile	Leu Leu Val Gly Val	Leu Gly Tyr Leu Gly	Leu		
	560		565		570
Asn Arg Ala Ala	Arg His Leu Cys Pro	Pro Leu Pro Thr Pro	Cys		
	575		580		585
Ala Ser Ser Ala	Ile Glu Phe Pro Gly	Gly Lys Glu Thr Trp	Gln		
	590		595		600
Trp Ile Asn Pro	Val Asp Phe Gln Glu	Glu Ala Ser Leu Gln	Glu		
	605		610		615
Ala Leu Val Val	Glu Met Ser Trp Asp	Lys Gly Glu Arg Thr	Glu		
	620		625		630
Pro Leu Glu Lys	Thr Glu Leu Pro Glu	Gly Ala Pro Glu Leu	Ala		
	635		640		645
Leu Asp Thr Glu	Leu Ser Leu Glu Asp	Gly Asp Arg His Glu	Glu		
	650		655		660
Arg Leu Ser Gln	Ser Gln Arg Leu Val	Ile Lys His Leu Trp	His		
	665		670		675
Thr Gln Pro Ile	Pro Ser Thr His Met	Ile Pro Tyr Gln Ile	Pro		
	680		685		690

Thr Thr Thr Pro

<210> 29

<211> 1719

<212> PRT

<213> Homo sapiens

<220>

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<221> misc_feature
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<223> Incyte ID No: 7516620CD1

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Met	Pro	Ser	Val	Cys	Leu	Leu	Leu	Leu	Leu	Phe	Leu	Ala	Val	Gly
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Gly	Ala	Leu	Gly	Asn	Arg	Pro	Phe	Arg	Ala	Phe	Val	Val	Thr	Asp
				20					25					30
Thr	Thr	Leu	Thr	His	Leu	Ala	Val	His	Arg	Val	Thr	Gly	Glu	Val
				35					40					45
Phe	Val	Gly	Ala	Val	Asn	Arg	Val	Phe	Lys	Leu	Ala	Pro	Asn	Leu
				50					55					60
Thr	Glu	Leu	Arg	Ala	His	Val	Thr	Gly	Pro	Val	Glu	Asp	Asn	Ala
				65					70					75
Arg	Cys	Tyr	Pro	Pro	Pro	Ser	Met	Arg	Val	Cys	Ala	His	Arg	Leu
				80					85					90
Ala	Pro	Val	Asp	Asn	Ile	Asn	Lys	Leu	Leu	Leu	Ile	Asp	Tyr	Ala
				95					100					105
Ala	Arg	Arg	Leu	Val	Ala	Cys	Gly	Ser	Ile	Trp	Gln	Gly	Ile	Cys
				110					115					120
Gln	Phe	Leu	Arg	Leu	Asp	Asp	Leu	Phe	Lys	Leu	Gly	Glu	Pro	His
				125					130					135
His	Arg	Lys	Glu	His	Tyr	Leu	Ser	Gly	Ala	Gln	Glu	Pro	Asp	Ser
				140					145					150
Met	Ala	Gly	Val	Ile	Val	Glu	Gln	Gly	Gln	Gly	Pro	Ser	Lys	Leu
				155					160					165
Phe	Val	Gly	Thr	Ala	Val	Asp	Gly	Lys	Ser	Glu	Tyr	Phe	Pro	Thr
				170					175					180
Leu	Ser	Ser	Arg	Lys	Leu	Ile	Ser	Asp	Glu	Asp	Ser	Ala	Asp	Met
				185					190					195
Phe	Ser	Leu	Val	Tyr	Gln	Asp	Glu	Phe	Val	Ser	Ser	Gln	Ile	Lys
				200					205					210
Ile	Pro	Ser	Asp	Thr	Leu	Ser	Leu	Tyr	Pro	Ala	Phe	Asp	Ile	Tyr
				215					220					225
Tyr	Ile	Tyr	Gly	Phe	Val	Ser	Ala	Ser	Phe	Val	Tyr	Phe	Leu	Thr
				230					235					240
Leu	Gln	Leu	Asp	Thr	Gln	Gln	Thr	Leu	Leu	Asp	Thr	Ala	Gly	Glu
				245					250					255
Lys	Phe	Phe	Thr	Ser	Lys	Ile	Val	Arg	Met	Cys	Ala	Gly	Asp	Ser
				260					265					270
Glu	Phe	Tyr	Ser	Tyr	Val	Glu	Phe	Pro	Ile	Gly	Cys	Ser	Trp	Arg
				275					280					285
Gly	Val	Glu	Tyr	Arg	Leu	Val	Gln	Ser	Ala	His	Leu	Ala	Lys	Pro
				290					295					300
Gly	Leu	Leu	Leu	Ala	Gln	Ala	Leu	Gly	Val	Pro	Ala	Asp	Glu	Asp
				305					310					315
Val	Leu	Phe	Thr	Ile	Phe	Ser	Gln	Gly	Gln	Lys	Asn	Arg	Ala	Ser
				320					325					330
Pro	Pro	Arg	Gln	Thr	Ile	Leu	Cys	Leu	Phe	Thr	Leu	Ser	Asn	Ile
				335					340					345
Asn	Ala	His	Ile	Arg	Arg									

Ile	Asn	Thr	Pro	Met	Gln	Ile	Asn	Gly	Asn	Phe	Cys	Gly	Leu	Val
				380					385					390
Leu	Asn	Gln	Pro	Leu	Gly	Gly	Leu	His	Val	Ile	Glu	Gly	Leu	Pro
				395					400					405
Leu	Leu	Ala	Asp	Ser	Thr	Asp	Gly	Met	Ala	Ser	Val	Ala	Ala	Tyr
				410					415					420
Thr	Tyr	Arg	Gln	His	Ser	Val	Val	Phe	Ile	Gly	Thr	Arg	Ser	Gly
				425					430					435
Ser	Leu	Lys	Lys	Val	Arg	Val	Asp	Gly	Phe	Gln	Asp	Ala	His	Leu
				440					445					450
Tyr	Glu	Thr	Val	Pro	Val	Val	Asp	Gly	Ser	Pro	Ile	Leu	Arg	Asp
				455					460					465
Leu	Leu	Phe	Ser	Pro	Asp	His	Arg	His	Ile	Tyr	Leu	Leu	Ser	Glu
				470					475					480
Lys	Gln	Val	Ser	Gln	Leu	Pro	Val	Glu	Thr	Cys	Glu	Gln	Tyr	Gln
				485					490					495
Ser	Cys	Ala	Ala	Cys	Leu	Gly	Ser	Gly	Asp	Pro	His	Cys	Gly	Trp
				500					505					510
Cys	Val	Leu	Arg	His	Arg	Cys	Cys	Arg	Glu	Gly	Ala	Cys	Leu	Gly
				515					520					525
Ala	Ser	Ala	Pro	His	Gly	Phe	Ala	Glu	Glu	Leu	Ser	Lys	Cys	Val
				530					535					540
Gln	Val	Arg	Val	Arg	Pro	Asn	Asn	Val	Ser	Val	Thr	Ser	Pro	Gly
				545					550					555
Val	Gln	Leu	Thr	Val	Thr	Leu	His	Asn	Val	Pro	Asp	Leu	Ser	Ala
				560					565					570
Gly	Val	Ser	Cys	Ala	Phe	Glu	Ala	Ala	Ala	Glu	Asn	Glu	Ala	Val
				575					580					585
Leu	Leu	Pro	Ser	Gly	Glu	Leu	Leu	Cys	Pro	Ser	Pro	Ser	Leu	Gln
				590					595					600
Glu	Leu	Arg	Ala	Leu	Thr	Arg	Gly	His	Gly	Ala	Thr	Arg	Thr	Val
				605					610					615
Arg	Leu	Gln	Leu	Leu	Ser	Lys	Glu	Thr	Gly	Val	Arg	Phe	Ala	Gly
				620					625					630
Ala	Asp	Phe	Val	Phe	Tyr	Asn	Cys	Ser	Val	Leu	Gln	Ser	Cys	Met
				635					640					645
Ser	Cys	Val	Gly	Ser	Pro	Tyr	Pro	Cys	His	Trp	Cys	Lys	Tyr	Arg
				650					655					660
His	Thr	Cys	Thr	Ser	Arg	Pro	His	Glu	Cys	Ser	Phe	Gln	Glu	Gly
				665					670					675
Arg	Val	His	Ser	Pro	Glu	Gly	Cys	Pro	Glu	Ile	Leu	Pro	Ser	Gly
				680					685					690
Asp	Leu	Leu	Ile	Pro	Val	Gly	Val	Met	Gln	Pro	Leu	Thr	Leu	Arg
				695					700					705
Ala	Lys	Asn	Leu	Pro	Gln	Pro	Gln	Ser	Gly	Gln	Lys	Asn	Tyr	Glu
				710					715					720
Cys	Val	Val	Arg	Val	Gln	Gly	Arg	Gln	Gln	Arg	Val	Pro	Ala	Val
				725					730					735
Arg	Phe	Asn	Ser	Ser	Ser	Val	Gln	Cys	Gln	Asn	Ala	Ser	Tyr	Ser
				740					745					750
Tyr	Glu	Gly	Asp	Glu	His	Gly	Asp	Thr	Glu	Leu	Asp	Phe	Ser	Val
				755					760					765
Val	Trp	Asp	Gly	Asp	Phe	Pro	Ile	Asp	Lys	Pro	Pro	Ser	Phe	Arg
				770					775					780
Ala	Leu	Leu	Tyr	Lys	Cys	Trp	Ala	Gln	Arg	Pro	Ser	Cys	Gly	Leu
				785					790					795
Cys	Leu	Lys	Ala	Asp	Pro	Arg	Phe	Asn	Cys	Gly	Trp	Cys	Ile	Ser
				800					805					810
Glu	His	Arg	Cys	Gln	Leu	Arg	Thr	His	Cys	Pro	Ala	Pro	Lys	Thr
				815					820					825
Asn	Trp	Met	His	Leu	Ser	Gln	Lys	Gly	Thr	Arg	Cys	Ser	His	Pro
				830					835					840
Arg	Ile	Thr	Gln	Ile	His	Pro	Leu	Val	Gly	Pro	Lys	Glu	Gly	Gly

	845		850		855
Thr Arg Val Thr	Ile Val Gly Asp Asn	Gly Leu Leu Ser	Arg		
	860		865		870
Glu Val Gly Leu	Arg Val Ala Gly Val	Arg Cys Asn Ser	Ile Pro		
	875		880		885
Ala Glu Tyr Ile	Ser Ala Glu Arg Ile	Val Cys Glu Met	Glu Glu		
	890		895		900
Ser Leu Val Pro	Ser Pro Pro Pro Gly	Pro Val Glu Leu Cys	Val		
	905		910		915
Gly Asp Cys Ser	Ala Asp Phe Arg Thr	Gln Ser Glu Gln Val	Tyr		
	920		925		930
Ser Phe Val Thr	Pro Thr Phe Asp Gln	Val Ser Pro Ser Arg	Gly		
	935		940		945
Pro Ala Ser Gly	Gly Thr Arg Leu Thr	Ile Ser Gly Ser Ser	Leu		
	950		955		960
Asp Ala Gly Ser	Arg Val Thr Val Thr	Val Arg Asp Ser Glu	Cys		
	965		970		975
Gln Phe Val Arg	Arg Asp Ala Lys Ala	Ile Val Cys Ile Ser	Pro		
	980		985		990
Leu Ser Thr Leu	Gly Pro Ser Gln Ala	Pro Ile Thr Leu Ala	Ile		
	995		1000		1005
Asp Arg Ala Asn	Ile Ser Ser Pro Gly	Leu Ile Tyr Thr Tyr	Thr		
	1010		1015		1020
Gln Asp Pro Thr	Val Thr Arg Leu Glu	Pro Thr Trp Ser Ile	Ile		
	1025		1030		1035
Asn Gly Ser Thr	Ala Ile Thr Val Ser	Gly Thr His Leu Leu	Thr		
	1040		1045		1050
Val Gln Glu Pro	Arg Val Arg Ala Lys	Tyr Arg Gly Ile Glu	Thr		
	1055		1060		1065
Thr Asn Thr Cys	Gln Val Ile Asn Asp	Thr Ala Met Leu Cys	Lys		
	1070		1075		1080
Ala Pro Gly Ile	Phe Leu Gly Arg Pro	Gln Pro Arg Ala Gln	Gly		
	1085		1090		1095
Glu His Pro Asp	Gly Phe Gly Phe Leu	Leu Asp His Val Gln	Thr		
	1100		1105		1110
Ala Arg Ser Leu	Asn Arg Ser Ser Phe	Thr Tyr Tyr Pro Asp	Pro		
	1115		1120		1125
Ser Phe Glu Pro	Leu Gly Pro Ser Gly	Val Leu Asp Val Lys	Pro		
	1130		1135		1140
Gly Ser His Val	Val Leu Lys Gly Lys	Asn Leu Ile Pro Ala	Ala		
	1145		1150		1155
Ala Gly Ser Ser	Arg Leu Asn Tyr Thr	Val Leu Ile Gly Gly	Gln		
	1160		1165		1170
Pro Cys Ser Leu	Thr Val Ser Asp Thr	Gln Leu Leu Cys Asp	Ser		
	1175		1180		1185
Pro Ser Gln Thr	Gly Arg Gln Pro Val	Met Val Leu Val Gly	Gly		
	1190		1195		1200
Leu Glu Phe Trp	Leu Gly Thr Leu His	Ile Ser Ala Glu Arg	Ala		
	1205		1210		1215
Leu Thr Leu Pro	Ala Met Met Gly Leu	Ala Ala Gly Gly Gly	Leu		
	1220		1225		1230
Leu Leu Leu Ala	Ile Thr Ala Val Leu	Val Ala Tyr Lys Arg	Lys		
	1235		1240		1245
Thr Gln Asp Ala	Asp Arg Thr Leu Lys	Arg Leu Gln Leu Gln	Met		
	1250		1255		1260
Asp Asn Leu Glu	Ser Arg Val Ala Leu	Glu Cys Lys Glu Ala	Phe		
	1265		1270		1275
Ala Glu Leu Gln	Thr Asp Ile Asn Glu	Leu Thr Asn His Met	Asp		
	1280		1285		1290
Glu Val Gln Ile	Pro Phe Leu Asp Tyr	Arg Thr Tyr Ala Val	Arg		
	1295		1300		1305
Val Leu Phe Pro	Gly Ile Glu Ala His	Pro Val Leu Lys Glu	Leu		
	1310		1315		1320


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Asp Thr Pro Pro Asn Val Glu Lys Ala Leu Arg Leu Phe Gly Gln
      1325      1330      1335
Leu Leu His Ser Arg Ala Phe Val Leu Thr Phe Ile His Thr Leu
      1340      1345      1350
Glu Ala Gln Ser Ser Phe Ser Met Arg Asp Arg Gly Thr Val Ala
      1355      1360      1365
Ser Leu Thr Met Val Ala Leu Gln Ser Arg Leu Asp Tyr Ala Thr
      1370      1375      1380
Gly Leu Leu Lys Gln Leu Leu Ala Asp Leu Ile Glu Lys Asn Leu
      1385      1390      1395
Glu Ser Lys Asn His Pro Lys Leu Leu Leu Arg Arg Thr Glu Ser
      1400      1405      1410
Val Ala Glu Lys Met Leu Thr Asn Trp Phe Thr Phe Leu Leu His
      1415      1420      1425
Lys Phe Leu Lys Glu Cys Ala Gly Glu Pro Leu Phe Leu Leu Tyr
      1430      1435      1440
Cys Ala Ile Lys Gln Gln Met Glu Lys Gly Pro Ile Asp Ala Ile
      1445      1450      1455
Thr Gly Glu Ala Arg Tyr Ser Leu Ser Glu Asp Lys Leu Ile Arg
      1460      1465      1470
Gln Gln Ile Asp Tyr Lys Thr Leu Thr Leu His Cys Val Cys Pro
      1475      1480      1485
Glu Asn Glu Gly Ser Ala Gln Val Pro Val Lys Val Leu Asn Cys
      1490      1495      1500
Asp Ser Ile Thr Gln Ala Lys Asp Lys Leu Leu Asp Thr Val Tyr
      1505      1510      1515
Lys Gly Ile Pro Tyr Ser Gln Arg Pro Lys Ala Glu Asp Met Asp
      1520      1525      1530
Leu Glu Trp Arg Gln Gly Arg Met Thr Arg Ile Ile Leu Gln Asp
      1535      1540      1545
Glu Asp Val Thr Thr Lys Ile Glu Cys Asp Trp Lys Arg Leu Asn
      1550      1555      1560
Ser Leu Ala His Tyr Gln Val Thr Asp Gly Ser Leu Val Ala Leu
      1565      1570      1575
Val Pro Lys Gln Val Ser Ala Tyr Asn Met Ala Asn Ser Phe Thr
      1580      1585      1590
Phe Thr Arg Ser Leu Ser Arg Tyr Glu Ser Leu Leu Arg Thr Ala
      1595      1600      1605
Ser Ser Pro Asp Ser Leu Arg Ser Arg Ala Pro Met Ile Thr Pro
      1610      1615      1620
Asp Gln Glu Thr Gly Thr Lys Leu Trp His Leu Val Lys Asn His
      1625      1630      1635
Asp His Ala Asp His Arg Glu Gly Asp Arg Gly Ser Lys Met Val
      1640      1645      1650
Ser Glu Ile Tyr Leu Thr Arg Leu Leu Ala Thr Lys Gly Thr Leu
      1655      1660      1665
Gln Lys Phe Val Asp Asp Leu Phe Glu Thr Val Phe Ser Thr Ala
      1670      1675      1680
His Arg Gly Ser Ala Leu Pro Leu Ala Ile Lys Tyr Met Phe Asp
      1685      1690      1695
Phe Leu Asp Glu Gln Ala Asp Gln Arg Gln Ile Ser Asp Pro Asp
      1700      1705      1710
Val Arg His Thr Trp Lys Ser Asn Trp
      1715

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<210> 30

<211> 672

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7525149CD1

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Ala	Thr	Leu	Ser	Leu	Ala	Arg	Pro	Ser	Phe	Ser	Leu	Val	Glu	Asp
				20					25					30
Thr	Thr	Leu	Glu	Pro	Glu	Gly	Ala	Pro	Tyr	Trp	Thr	Asn	Thr	Glu
				35					40					45
Lys	Met	Glu	Lys	Arg	Leu	His	Ala	Val	Pro	Ala	Ala	Asn	Thr	Val
				50					55					60
Lys	Phe	Arg	Cys	Pro	Ala	Gly	Gly	Asn	Pro	Met	Pro	Thr	Met	Arg
				65					70					75
Trp	Leu	Lys	Asn	Gly	Lys	Glu	Phe	Lys	Gln	Glu	His	Arg	Ile	Gly
				80					85					90
Gly	Tyr	Lys	Val	Arg	Asn	Gln	His	Trp	Ser	Leu	Ile	Met	Glu	Ser
				95					100					105
Val	Val	Pro	Ser	Asp	Lys	Gly	Asn	Tyr	Thr	Cys	Val	Val	Glu	Asn
				110					115					120
Glu	Tyr	Gly	Ser	Ile	Asn	His	Thr	Tyr	His	Leu	Asp	Val	Val	Glu
				125					130					135
Arg	Ser	Pro	His	Arg	Pro	Ile	Leu	Gln	Ala	Gly	Leu	Pro	Ala	Asn
				140					145					150
Ala	Ser	Thr	Val	Val	Gly	Gly	Asp	Val	Glu	Phe	Val	Cys	Lys	Val
				155					160					165
Tyr	Ser	Asp	Ala	Gln	Pro	His	Ile	Gln	Trp	Ile	Lys	His	Val	Glu
				170					175					180
Lys	Asn	Gly	Ser	Lys	Tyr	Gly	Pro	Asp	Gly	Leu	Pro	Tyr	Leu	Lys
				185					190					195
Val	Leu	Lys	Ala	Ala	Gly	Val	Asn	Thr	Thr	Asp	Lys	Glu	Ile	Glu
				200					205					210
Val	Leu	Tyr	Ile	Arg	Asn	Val	Thr	Phe	Glu	Asp	Ala	Gly	Glu	Tyr
				215					220					225
Thr	Cys	Leu	Ala	Gly	Asn	Ser	Ile	Gly	Ile	Ser	Phe	His	Ser	Ala
				230					235					240
Trp	Leu	Thr	Val	Leu	Pro	Ala	Pro	Gly	Arg	Glu	Lys	Glu	Ile	Thr
				245					250					255
Ala	Ser	Pro	Asp	Tyr	Leu	Glu	Ile	Ala	Ile	Tyr	Cys	Ile	Gly	Val
				260					265					270
Phe	Leu	Ile	Ala	Cys	Met	Val	Val	Thr	Val	Ile	Leu	Cys	Arg	Met
				275					280					285
Lys	Asn	Thr	Thr	Lys	Lys	Pro	Asp	Phe	Ser	Ser	Gln	Pro	Ala	Val
				290					295					300
His	Lys	Leu	Thr	Lys	Arg	Ile	Pro	Leu	Arg	Arg	Gln	Val	Thr	Val
				305					310					315
Ser	Ala	Glu	Ser	Ser	Ser	Ser	Met	Asn	Ser	Asn	Thr	Pro	Leu	Val
				320					325					330
Arg	Ile	Thr	Thr	Arg	Leu	Pro	Ser	Thr	Ala	Asp	Thr	Pro	Met	Leu
				335					340					345
Ala	Gly	Val	Ser	Glu	Tyr	Glu	Leu	Pro	Glu	Asp	Pro	Lys	Trp	Glu
				350					355					360
Phe	Pro	Arg	Asp	Lys	Leu	Thr	Leu	Gly	Lys	Pro	Leu	Gly	Glu	Gly
				365					370					375
Cys	Phe	Gly	Gln	Val	Val	Met	Ala	Glu	Ala	Val	Gly	Ile	Asp	Lys
				380					385					390
Asp	Lys	Pro	Lys	Glu	Ala	Val	Thr	Val	Ala	Val	Lys	Met	Leu	Lys
				395					400					405
Asp	Asp	Ala	Thr	Glu	Lys	Asp	Leu	Ser	Asp	Leu	Val	Ser	Glu	Met
				410					415					420
Glu	Met	Met	Lys	Met	Ile	Gly	Lys	His	Lys	Asn	Ile	Ile	Asn	Leu
				425					430					435
Leu	Gly	Ala	Cys	Thr	Gln	Asp	Gly	Pro	Leu	Tyr	Val	Ile	Val	Glu
				440					445					450
Tyr	Ala	Ser	Lys	Gly	Asn	Leu	Arg	Glu	Tyr	Leu	Arg	Ala	Arg	Arg
				455					460					465

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Pro Pro Gly Met Glu Tyr Ser Tyr Asp Ile Asn Arg Val Pro Glu
470 475 480
Glu Gln Met Thr Phe Lys Asp Leu Val Ser Cys Ile Tyr Gln Leu
485 490 495
Ala Arg Gly Met Glu Tyr Leu Ala Ser Gln Lys Cys Ile His Arg
500 505 510
Asp Leu Ala Ala Arg Asn Val Leu Val Thr Glu Asn Asn Val Met
515 520 525
Lys Ile Ala Asp Phe Gly Leu Ala Arg Asp Ile Asn Asn Ile Asp
530 535 540
Tyr Tyr Lys Lys Thr Thr Asn Gly Arg Leu Pro Val Lys Trp Met
545 550 555
Ala Pro Glu Ala Leu Phe Asp Arg Val Tyr Thr His Gln Ser Asp
560 565 570
Val Trp Ser Phe Gly Val Leu Met Trp Glu Ile Phe Thr Leu Gly
575 580 585
Gly Ser Pro Tyr Pro Gly Ile Pro Val Glu Glu Leu Phe Lys Leu
590 595 600
Leu Lys Glu Gly His Arg Met Asp Lys Pro Ala Asn Cys Thr Asn
605 610 615
Glu Leu Tyr Met Met Met Arg Asp Cys Trp His Ala Val Pro Ser
620 625 630
Gln Arg Pro Thr Phe Lys Gln Leu Val Glu Asp Leu Asp Arg Ile
635 640 645
Leu Thr Leu Thr Thr Asn Glu Glu Tyr Leu Asp Leu Ser Gln Pro
650 655 660
Leu Glu Pro Tyr Ser Pro Cys Tyr Pro Asp Pro Arg
665 670

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<210> 31
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7513047CD1

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Arg Thr Arg Val Gly Arg Pro Ala Ala Leu Arg Leu Leu Leu Leu
20 25 30
Leu Gly Ala Val Leu Asn Pro His Glu Ala Leu Ala Gln Pro Leu
35 40 45
Pro Thr Thr Gly Thr Pro Gly Ser Glu Gly Leu Ile Ala Pro Cys
50 55 60
Glu Ile Ala Trp Ser Thr Leu Gln Ser Cys Leu Thr Trp Ala Ser
65 70 75
Pro Ile Pro Trp Gln Arg Gly Ser Ser Leu Arg Leu Thr Arg Ser
80 85 90
Thr Leu Pro Thr Ala Pro Trp Cys Ser Pro Pro Ser Leu Thr Pro
95 100 105
Gln Arg Met Tyr Ser Trp Pro
110

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<210> 32
 <211> 65
 <212> PRT
 <213> Homo sapiens

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<223> Incyte ID No: 7513056CD1

<400> 32

Met	Ala	Gly	Val	Ala	Cys	Leu	Gly	Lys	Ala	Ala	Asp	Ala	Asp	Glu	
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Trp	Cys	Asp	Ser	Gly	Leu	Gly	Ser	Leu	Gly	Pro	Asp	Ala	Ala	Ala	
				20					25					30	
Pro	Gly	Gly	Pro	Gly	Leu	Gly	Ala	Glu	Leu	Gly	Pro	Gly	Leu	Ser	
				35					40					45	
Trp	Ala	Pro	Leu	Val	Phe	Gly	Tyr	Val	Thr	Glu	Asp	Gly	Asp	Thr	
				50					55					60	
Leu	Leu	Gly	Arg	His											
				65											

<210> 33

<211> 442

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513245CD1

<400> 33

Met	Gly	Leu	Pro	Glu	Pro	Gly	Pro	Leu	Arg	Leu	Leu	Ala	Leu	Leu	
1				5					10					15	
Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Gln	His	Leu	Ala		
				20					25					30	
Ala	Ala	Ala	Ala	Asp	Pro	Leu	Leu	Gly	Gly	Gln	Gly	Pro	Ala	Lys	
				35					40					45	
Glu	Cys	Glu	Lys	Asp	Gln	Phe	Gln	Cys	Arg	Asn	Glu	Arg	Cys	Ile	
				50					55					60	
Pro	Ser	Val	Trp	Arg	Cys	Asp	Glu	Asp	Asp	Cys	Leu	Asp	His		
				65					70				75		
Ser	Asp	Glu	Asp	Asp	Cys	Pro	Lys	Lys	Thr	Cys	Ala	Asp	Ser	Asp	
				80					85				90		
Phe	Thr	Cys	Asp	Asn	Gly	His	Cys	Ile	His	Glu	Arg	Trp	Lys	Cys	
				95					100				105		
Asp	Gly	Glu	Glu	Glu	Cys	Pro	Asp	Gly	Ser	Asp	Glu	Ser	Glu	Ala	
				110					115				120		
Thr	Cys	Thr	Lys	Gln	Val	Cys	Pro	Ala	Glu	Lys	Leu	Ser	Cys	Gly	
				125					130				135		
Pro	Thr	Ser	His	Lys	Cys	Val	Pro	Ala	Ser	Trp	Arg	Cys	Asp	Gly	
				140					145				150		
Glu	Lys	Asp	Cys	Glu	Gly	Gly	Ala	Asp	Glu	Ala	Gly	Cys	Ala	Thr	
				155					160				165		
Ser	Leu	Gly	Thr	Cys	Arg	Gly	Asp	Glu	Phe	Gln	Cys	Gly	Asp	Gly	
				170					175				180		
Thr	Cys	Val	Leu	Ala	Ile	Lys	His	Cys	Asn	Gln	Glu	Gln	Asp	Cys	
				185					190				195		
Pro	Asp	Gly	Ser	Asp	Glu	Ala	Gly	Cys	Leu	Gln	Gly	Leu	Asn	Glu	
				200					205				210		
Cys	Leu	His	Asn	Asn	Gly	Gly	Cys	Ser	His	Ile	Cys	Thr	Asp	Leu	
				215					220				225		
Lys	Ile	Gly	Phe	Glu	Cys	Thr	Cys	Pro	Ala	Gly	Phe	Gln	Leu	Leu	
				230					235				240		
Asp	Gln	Lys	Thr	Cys	Gly	Asp	Ile	Asp	Glu	Cys	Lys	Asp	Pro	Asp	
				245					250				255		
Ala	Cys	Ser	Gln	Ile	Cys	Val	Asn	Tyr	Lys	Gly	Tyr	Phe	Lys	Cys	
				260					265				270		
Glu	Cys	Tyr	Pro	Gly	Cys	Glu	Met	Asp	Leu	Leu	Thr	Lys	Asn	Cys	
				275					280				285		
Lys	Ala	Ala	Ala	Gly	Lys	Ser	Pro	Ser	Leu	Ile	Phe	Ala	Asn	Arg	

	290		295		300
His Glu Val Arg	Arg Ile Asp Leu Val	Lys Arg Asn Tyr Ser	Arg		
	305		310		315
Leu Ile Pro Met	Leu Lys Asn Val Val	Ala Leu Asp Val Glu	Val		
	320		325		330
Ala Thr Asn Arg	Ile Tyr Trp Cys Asp	Leu Ser Tyr Arg Lys	Ile		
	335		340		345
Tyr Ser Ala Tyr	Met Asp Lys Ala Ser	Asp Pro Lys Glu Gln	Glu		
	350		355		360
Val Leu Ile Asp	Glu Gln Leu His Ser	Pro Glu Gly Leu Ala	Val		
	365		370		375
Asp Trp Val His	Lys His Ile Tyr Trp	Thr Asp Ser Gly Asn	Lys		
	380		385		390
Thr Ile Ser Val	Ala Thr Val Asp Gly	Gly Arg Arg Arg Thr	Leu		
	395		400		405
Phe Ser Arg Asn	Leu Ser Glu Pro Arg	Ala Ile Ala Val Asp	Pro		
	410		415		420
Leu Arg Gly Ser	Ala Glu Pro Ala Leu	Val Leu Gly Arg Leu	Gln		
	425		430		435
Ala Thr Pro Thr	Val Gln His				
	440				

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 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513711CD1

<400> 34	
Met Glu Trp Leu Ala Arg Leu Cys Gly Leu Trp Ala Leu Leu Leu	
1 5 10 15	
Cys Ala Gly Gly Gly Gly Gly Gly Gly Gly Ala Ala Pro Thr Glu	
20 25 30	
Thr Gln Pro Pro Val Thr Asn Leu Ser Val Ser Val Glu Asn Leu	
35 40 45	
Cys Thr Val Ile Trp Thr Trp Asn Pro Pro Glu Gly Ala Ser Ser	
50 55 60	
Asn Cys Ser Leu Trp Tyr Phe Ser His Phe Gly Asp Lys Gln Asp	
65 70 75	
Lys Val Ile Leu Ser Leu Leu	
80	

<210> 35
 <211> 152
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513965CD1

<400> 35	
Met Asp Ser Tyr Leu Leu Met Trp Gly Leu Leu Thr Phe Ile Met	
1 5 10 15	
Val Pro Gly Cys Gln Ala Glu Leu Cys Asp Asp Asp Pro Pro Glu	
20 25 30	
Ile Pro His Ala Thr Phe Lys Ala Met Ala Tyr Lys Glu Gly Thr	
35 40 45	
Met Leu Asn Cys Glu Cys Lys Arg Gly Phe Arg Arg Ile Lys Ser	
50 55 60	

Gly	Ser	Leu	Tyr	Met	Leu	Cys	Thr	Gly	Asn	Ser	Ser	His	Ser	Ser
				65					70					75
Trp	Asp	Asn	Gln	Cys	Gln	Cys	Thr	Ser	Ser	Ala	Thr	Arg	Asn	Thr
				80					85					90
Thr	Lys	Gln	Val	Thr	Pro	Gln	Pro	Glu	Glu	Gln	Lys	Glu	Arg	Lys
				95					100					105
Thr	Thr	Glu	Met	Gln	Ser	Pro	Met	Gln	Pro	Val	Asp	Gln	Ala	Ser
				110					115					120
Leu	Pro	Val	Ala	Gly	Cys	Val	Phe	Leu	Leu	Ile	Ser	Val	Leu	Leu
				125					130					135
Leu	Ser	Gly	Leu	Thr	Trp	Gln	Arg	Arg	Gln	Arg	Lys	Ser	Arg	Arg
				140					145					150
Thr	Ile													

<210> 36

<211> 451

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513969CD1

<400> 36

Met	Glu	Gln	Lys	Pro	Ser	Lys	Val	Glu	Cys	Gly	Ser	Asp	Pro	Glu
1				5					10					15
Glu	Asn	Ser	Ala	Arg	Ser	Pro	Asp	Gly	Lys	Arg	Lys	Arg	Lys	Asn
				20					25					30
Gly	Gln	Cys	Ser	Leu	Lys	Thr	Ser	Met	Ser	Gly	Tyr	Ile	Pro	Ser
				35					40					45
Tyr	Leu	Asp	Lys	Asp	Glu	Gln	Cys	Val	Val	Cys	Gly	Asp	Lys	Ala
				50					55					60
Thr	Gly	Tyr	His	Tyr	Arg	Cys	Ile	Thr	Cys	Glu	Gly	Cys	Lys	Gly
				65					70					75
Phe	Phe	Arg	Arg	Thr	Ile	Gln	Lys	Asn	Leu	His	Pro	Thr	Tyr	Ser
				80					85					90
Cys	Lys	Tyr	Asp	Ser	Cys	Cys	Val	Ile	Asp	Lys	Ile	Thr	Arg	Asn
				95					100					105
Gln	Cys	Gln	Leu	Cys	Arg	Phe	Lys	Lys	Cys	Ile	Ala	Val	Gly	Met
				110					115					120
Ala	Met	Asp	Leu	Val	Leu	Asp	Asp	Ser	Lys	Arg	Val	Ala	Lys	Arg
				125					130					135
Lys	Leu	Ile	Glu	Gln	Asn	Arg	Glu	Arg	Arg	Arg	Lys	Glu	Glu	Met
				140					145					150
Ile	Arg	Ser	Leu	Gln	Gln	Arg	Pro	Glu	Pro	Thr	Pro	Glu	Glu	Trp
				155					160					165
Asp	Leu	Ile	His	Ile	Ala	Thr	Glu	Ala	His	Arg	Ser	Thr	Asn	Ala
				170					175					180
Gln	Gly	Ser	His	Trp	Lys	Gln	Arg	Arg	Lys	Phe	Leu	Pro	Asp	Asp
				185					190					195
Ile	Gly	Gln	Ser	Pro	Ile	Val	Ser	Met	Pro	Asp	Gly	Asp	Lys	Val
				200					205					210
Asp	Leu	Glu	Ala	Phe	Ser	Glu	Phe	Thr	Lys	Ile	Ile	Thr	Pro	Ala
				215					220					225
Ile	Thr	Arg	Val	Val	Asp	Phe	Ala	Lys	Lys	Leu	Pro	Met	Phe	Ser
				230					235					240
Glu	Leu	Pro	Cys	Glu	Asp	Gln	Ile	Ile	Leu	Leu	Lys	Gly	Cys	Cys
				245					250					255
Met	Glu	Ile	Met	Ser	Leu	Arg	Ala	Ala	Val	Arg	Tyr	Asp	Pro	Glu
				260					265					270
Ser	Asp	Thr	Leu	Thr	Leu	Ser	Gly	Glu	Met	Ala	Val	Lys	Arg	Glu
				275					280					285

Gln	Leu	Lys	Asn	Gly	Gly	Leu	Gly	Val	Val	Ser	Asp	Ala	Ile	Phe
				290					295					300
Glu	Leu	Ser	Lys	Ser	Leu	Ser	Ala	Phe	Asn	Leu	Asp	Asp	Thr	Glu
				305					310					315
Val	Ala	Leu	Leu	Gln	Ala	Val	Leu	Leu	Met	Ser	Thr	Asp	Arg	Ser
				320					325					330
Gly	Leu	Leu	Cys	Val	Asp	Lys	Ile	Glu	Lys	Ser	Gln	Glu	Ala	Tyr
				335					340					345
Leu	Leu	Ala	Phe	Glu	His	Tyr	Val	Asn	His	Arg	Lys	His	Asn	Ile
				350					355					360
Pro	His	Phe	Trp	Pro	Lys	Leu	Leu	Met	Lys	Gly	Pro	Gln	Val	Arg
				365					370					375
Gln	Leu	Glu	Gln	Gln	Leu	Gly	Glu	Ala	Gly	Ser	Leu	Gln	Gly	Pro
				380					385					390
Val	Leu	Gln	His	Gln	Ser	Pro	Lys	Ser	Pro	Gln	Gln	Arg	Leu	Leu
				395					400					405
Glu	Leu	Leu	His	Arg	Ser	Gly	Ile	Leu	His	Ala	Arg	Ala	Val	Cys
				410					415					420
Gly	Glu	Asp	Asp	Ser	Ser	Glu	Ala	Asp	Ser	Pro	Ser	Ser	Ser	Glu
				425					430					435
Glu	Glu	Pro	Glu	Val	Cys	Glu	Asp	Leu	Ala	Gly	Asn	Ala	Ala	Ser
				440					445					450

Pro

<210> 37

<211> 399

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7512119CD1

<400> 37

Met	Gly	Val	Ile	Gly	Ile	Gln	Leu	Val	Val	Ala	Met	Val	Met	Ala
1				5					10					15
Ser	Val	Met	Gln	Lys	Ile	Ile	Pro	His	Tyr	Ser	Leu	Ala	Arg	Trp
				20					25					30
Leu	Leu	Cys	Asn	Gly	Ser	Leu	Arg	Trp	Tyr	Gln	His	Pro	Thr	Glu
				35					40					45
Glu	Glu	Leu	Arg	Ile	Leu	Ala	Gly	Lys	Gln	Gln	Lys	Gly	Lys	Thr
				50					55					60
Lys	Lys	Asp	Arg	Lys	Tyr	Asn	Gly	His	Ile	Glu	Ser	Lys	Pro	Leu
				65					70					75
Thr	Ile	Pro	Lys	Asp	Ile	Asp	Leu	His	Leu	Glu	Thr	Lys	Ser	Val
				80					85					90
Thr	Glu	Val	Asp	Thr	Leu	Ala	Leu	His	Tyr	Phe	Pro	Glu	Tyr	Gln
				95					100					105
Trp	Leu	Val	Asp	Phe	Thr	Val	Ala	Ala	Thr	Val	Val	Tyr	Leu	Val
				110					115					120
Thr	Glu	Val	Tyr	Tyr	Asn	Phe	Met	Lys	Pro	Thr	Gln	Glu	Met	Asn
				125					130					135
Ile	Ser	Leu	Val	Trp	Cys	Leu	Leu	Val	Leu	Ser	Phe	Ala	Ile	Lys
				140					145					150
Val	Leu	Phe	Ser	Leu	Thr	Thr	His	Tyr	Phe	Lys	Val	Glu	Asp	Gly
				155					160					165
Gly	Glu	Arg	Ser	Val	Cys	Val	Thr	Phe	Gly	Phe	Phe	Phe	Phe	Val
				170					175					180
Lys	Ala	Met	Ala	Val	Leu	Ile	Val	Thr	Glu	Asn	Tyr	Leu	Glu	Phe
				185					190					195
Gly	Leu	Glu	Thr	Gly	Phe	Thr	Asn	Phe	Ser	Asp	Ser	Ala	Met	Gln
				200					205					210

Phe	Leu	Glu	Lys	Gln	Gly	Leu	Glu	Ser	Gln	Ser	Pro	Val	Ser	Lys
				215					220					225
Leu	Thr	Phe	Lys	Phe	Phe	Leu	Ala	Ile	Phe	Cys	Ser	Phe	Ile	Gly
				230					235					240
Ala	Phe	Leu	Thr	Phe	Pro	Gly	Leu	Arg	Leu	Ala	Gln	Met	His	Leu
				245					250					255
Asp	Ala	Leu	Asn	Leu	Ala	Thr	Glu	Lys	Ile	Thr	Gln	Thr	Leu	Leu
				260					265					270
His	Ile	Asn	Phe	Leu	Ala	Pro	Leu	Phe	Met	Val	Leu	Leu	Trp	Val
				275					280					285
Lys	Pro	Ile	Thr	Lys	Asp	Tyr	Ile	Met	Asn	Pro	Pro	Leu	Gly	Lys
				290					295					300
Glu	Ser	Ile	Pro	Leu	Met	Thr	Glu	Ala	Thr	Phe	Asp	Thr	Leu	Arg
				305					310					315
Leu	Trp	Leu	Ile	Ile	Leu	Leu	Cys	Ala	Leu	Arg	Leu	Ala	Met	Met
				320					325					330
Arg	Ser	His	Leu	Gln	Ala	Tyr	Leu	Asn	Leu	Ala	Gln	Lys	Cys	Val
				335					340					345
Asp	Gln	Met	Lys	Lys	Glu	Ala	Gly	Arg	Ile	Ser	Thr	Val	Glu	Leu
				350					355					360
Gln	Lys	Met	Val	Ile	Ile	Pro	Gly	Val	Phe	Ile	Gln	Asn	Leu	Ser
				365					370					375
Leu	Pro	Tyr	Gln	Trp	Ile	Ile	Val	Tyr	Cys	Pro	Ile	Leu	Phe	Thr
				380					385					390
Leu	Asn	Tyr	His	Gln	Leu	Lys	Gly	Lys						
				395										

<210> 38
 <211> 231
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515577CD1

<400> 38

Met	Arg	Thr	Glu	Ala	Gln	Val	Pro	Ala	Leu	Gln	Pro	Pro	Glu	Pro
1				5					10					15
Gly	Leu	Glu	Gly	Ala	Met	Gly	His	Arg	Thr	Leu	Val	Leu	Pro	Trp
				20					25					30
Val	Leu	Leu	Thr	Leu	Cys	Val	Thr	Ala	Gly	Thr	Pro	Glu	Val	Trp
				35					40					45
Val	Gln	Ile	Arg	Met	Glu	Ala	Thr	Glu	Leu	Ser	Ser	Phe	Thr	Ile
				50					55					60
Arg	Trp	Leu	Ser	Ala	Pro	Pro	Thr	Pro	Ala	Pro	Ile	Leu	Arg	Ala
				65					70					75
Asp	Leu	Ala	Gly	Ile	Leu	Gly	Val	Ser	Gly	Val	Leu	Leu	Phe	Gly
				80					85					90
Cys	Val	Tyr	Leu	Leu	His	Leu	Leu	Arg	Arg	His	Lys	His	Arg	Pro
				95					100					105
Ala	Pro	Arg	Leu	Gln	Pro	Ser	Arg	Thr	Ser	Pro	Gln	Ala	Pro	Arg
				110					115					120
Ala	Arg	Ala	Trp	Ala	Pro	Ser	Gln	Ala	Ser	Gln	Ala	Ala	Leu	His
				125					130					135
Val	Pro	Tyr	Ala	Thr	Ile	Asn	Thr	Ser	Cys	Arg	Pro	Ala	Thr	Leu
				140					145					150
Asp	Thr	Ala	His	Pro	His	Gly	Gly	Pro	Ser	Trp	Trp	Ala	Ser	Leu
				155					160					165
Pro	Thr	His	Ala	Ala	His	Arg	Pro	Gln	Gly	Pro	Ala	Ala	Trp	Ala
				170					175					180
Ser	Thr	Pro	Ile	Pro	Ala	Arg	Gly	Ser	Phe	Val	Ser	Val	Glu	Asn
				185					190					195

Gly	Leu	Tyr	Ala	Gln	Ala	Gly	Glu	Arg	Pro	Pro	His	Thr	Gly	Pro	
				200					205					210	
Gly	Leu	Thr	Leu	Phe	Pro	Asp	Pro	Arg	Gly	Pro	Arg	Ala	Met	Glu	
				215					220					225	
Gly	Pro	Leu	Gly	Val	Arg										
				230											

<210> 39
 <211> 203
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7514748CD1

Met	Thr	Ser	Gln	Arg	Ser	Pro	Leu	Ala	Pro	Leu	Leu	Leu	Leu	Ser	
1				5					10					15	
Leu	His	Gly	Val	Ala	Ala	Ser	Leu	Glu	Val	Ser	Glu	Ser	Pro	Gly	
				20					25					30	
Ser	Ile	Gln	Val	Ala	Arg	Gly	Gln	Thr	Ala	Val	Leu	Pro	Cys	Thr	
				35					40					45	
Phe	Thr	Thr	Ser	Ala	Ala	Leu	Ile	Asn	Leu	Asn	Val	Ile	Trp	Met	
				50					55					60	
Val	Thr	Pro	Leu	Ser	Asn	Ala	Asn	Gln	Pro	Glu	Gln	Val	Ile	Leu	
				65					70					75	
Tyr	Gln	Gly	Gly	Gln	Met	Phe	Asp	Gly	Ala	Pro	Arg	Phe	His	Gly	
				80					85					90	
Arg	Val	Gly	Phe	Thr	Gly	Thr	Met	Pro	Ala	Thr	Asn	Val	Ser	Ile	
				95					100					105	
Phe	Ile	Asn	Asn	Thr	Gln	Leu	Ser	Asp	Thr	Gly	Thr	Tyr	Gln	Cys	
				110					115					120	
Leu	Val	Asn	Asn	Leu	Pro	Asp	Ile	Gly	Gly	Arg	Asn	Ile	Gly	Val	
				125					130					135	
Thr	Gly	Leu	Thr	Val	Leu	Asp	Gln	Val	Gln	Glu	Gln	Ser	Pro	Ser	
				140					145					150	
Gly	Thr	Ser	Val	Pro	Cys	Leu	Gln	Val	Cys	Thr	Ser	Ala	Trp	Leu	
				155					160					165	
Leu	Met	Leu	Leu	Glu	Pro	Ala	Pro	Val	Phe	Trp	Ile	Ser	Arg	Leu	
				170					175					180	
Phe	His	Gly	His	Ser	Phe	Thr	Gly	Glu	Ala	Lys	Ile	Lys	Arg	Arg	
				185					190					195	
Lys	Lys	Lys	Lys	Phe	Leu	Met	Lys								
				200											

<210> 40
 <211> 525
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513838CD1

Met	Val	Cys	Ser	Leu	Trp	Val	Leu	Leu	Leu	Val	Ser	Ser	Val	Leu	
1				5					10					15	
Ala	Leu	Glu	Glu	Val	Leu	Leu	Asp	Thr	Thr	Gly	Glu	Thr	Ser	Glu	
				20					25					30	
Ile	Gly	Trp	Leu	Thr	Tyr	Pro	Pro	Gly	Gly	Trp	Asp	Glu	Val	Ser	
				35					40					45	
Val	Leu	Asp	Asp	Gln	Arg	Arg	Leu	Thr	Arg	Thr	Phe	Glu	Ala	Cys	

	50		55		60
His Val Ala Gly	Ala Pro Pro Gly Thr	Gly Gln Asp Asn Trp	Leu		
	65		70		75
Gln Thr His Phe	Val Glu Arg Arg Gly	Ala Gln Arg Ala His	Ile		
	80		85		90
Arg Leu His Phe	Ser Val Arg Ala Cys	Ser Ser Leu Gly Val	Ser		
	95		100		105
Gly Gly Thr Cys	Arg Glu Thr Phe Thr	Leu Tyr Tyr Arg Gln	Ala		
	110		115		120
Glu Glu Pro Asp	Ser Pro Asp Ser Val	Ser Ser Trp His Leu	Lys		
	125		130		135
Arg Trp Thr Lys	Val Asp Thr Ile Ala	Ala Asp Glu Ser Phe	Pro		
	140		145		150
Ser Ser Ser Ser	Ser Ser Ser Ser Ser	Ser Ser Ala Ala Trp	Ala		
	155		160		165
Val Gly Pro His	Gly Ala Gly Gln Arg	Ala Gly Leu Gln Leu	Asn		
	170		175		180
Val Lys Glu Arg	Ser Phe Gly Pro Leu	Thr Gln Arg Gly Phe	Tyr		
	185		190		195
Val Ala Phe Gln	Asp Thr Gly Ala Cys	Leu Ala Leu Val Ala	Val		
	200		205		210
Arg Leu Phe Ser	Tyr Thr Cys Pro Ala	Val Leu Arg Ser Phe	Ala		
	215		220		225
Ser Phe Pro Glu	Thr Gln Ala Ser Gly	Ala Gly Gly Ala Ser	Leu		
	230		235		240
Val Ala Ala Val	Gly Thr Cys Val Ala	His Ala Glu Pro Glu	Glu		
	245		250		255
Asp Gly Val Gly	Gly Gln Ala Gly Gly	Ser Pro Pro Arg Leu	His		
	260		265		270
Cys Asn Gly Glu	Gly Lys Trp Met Val	Ala Val Gly Gly Cys	Arg		
	275		280		285
Cys Gln Pro Gly	Tyr Gln Pro Ala Arg	Gly Asp Lys Ala Cys	Gln		
	290		295		300
Ala Cys Pro Arg	Gly Leu Tyr Lys Ser	Ser Ala Gly Asn Ala	Pro		
	305		310		315
Cys Ser Pro Cys	Pro Ala Arg Ser His	Ala Pro Asn Pro Ala	Ala		
	320		325		330
Pro Val Cys Pro	Cys Leu Glu Gly Phe	Tyr Arg Ala Ser Ser	Asp		
	335		340		345
Pro Pro Glu Ala	Pro Cys Thr Gly Pro	Pro Ser Ala Pro Gln	Glu		
	350		355		360
Leu Trp Phe Glu	Val Gln Gly Ser Ala	Leu Met Leu His Trp	Arg		
	365		370		375
Leu Pro Arg Glu	Leu Gly Gly Arg Gly	Asp Leu Leu Phe Asn	Val		
	380		385		390
Val Cys Lys Glu	Cys Glu Gly Arg Gln	Glu Pro Ala Ser Gly	Gly		
	395		400		405
Gly Gly Thr Cys	His Arg Cys Arg Asp	Glu Val His Phe Asp	Pro		
	410		415		420
Arg Gln Arg Gly	Leu Thr Glu Ser Arg	Val Leu Val Gly Gly	Leu		
	425		430		435
Arg Ala His Val	Pro Tyr Ile Leu Glu	Val Gln Ala Val Asn	Gly		
	440		445		450
Val Ser Glu Leu	Ser Pro Asp Pro Pro	Gln Ala Ala Ala Ile	Asn		
	455		460		465
Val Ser Thr Ser	His Glu Gly Glu Leu	Phe Ser Leu Ala Phe	Arg		
	470		475		480
Ile Pro Cys Leu	Arg Ser Phe Glu Pro	Pro Ser Leu Leu Leu	Ile		
	485		490		495
Ser Ser Leu Val	His Pro Cys Arg Pro	Pro Leu Lys Ala Asp	Pro		
	500		505		510
Ala Pro Arg Asp	Ser Tyr Pro His Asn	Asn Phe Pro Phe Ala	Leu		
	515		520		525

<210> 41
 <211> 217
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515163CD1

<400> 41
 Met Glu Met Ala Ser Ser Ala Gly Ser Trp Leu Ser Gly Cys Leu
 1 5 10 15
 Ile Pro Leu Val Phe Leu Arg Leu Ser Val His Val Ser Gly His
 20 25 30
 Ala Gly Asp Ala Gly Lys Phe His Val Ala Leu Leu Gly Gly Thr
 35 40 45
 Ala Glu Leu Leu Cys Pro Leu Ser Leu Trp Pro Gly Thr Val Pro
 50 55 60
 Lys Glu Val Arg Trp Leu Arg Ser Pro Phe Pro Gln Arg Ser Gln
 65 70 75
 Ala Val His Ile Phe Arg Asp Gly Lys Asp Gln Asp Glu Asp Leu
 80 85 90
 Met Pro Glu Tyr Lys Gly Arg Thr Val Leu Val Arg Asp Ala Gln
 95 100 105
 Glu Gly Ser Val Thr Leu Gln Ile Leu Asp Val Arg Leu Glu Asp
 110 115 120
 Gln Gly Ser Tyr Arg Cys Leu Ile Gln Val Gly Asn Leu Ser Lys
 125 130 135
 Glu Asp Thr Val Ile Leu Gln Val Ala Ala Pro Ser Val Gly Ser
 140 145 150
 Leu Ser Pro Ser Ala Val Ala Leu Ala Val Ile Leu Pro Val Leu
 155 160 165
 Val Leu Leu Ile Met Val Cys Leu Cys Leu Ile Trp Lys Gln Arg
 170 175 180
 Arg Ala Lys Glu Lys Leu Leu Tyr Glu His Val Thr Glu Thr Ile
 185 190 195
 Phe Phe Gln Thr Met Leu Lys Lys Lys Glu Asn Ser Ile Lys Leu
 200 205 210
 Ser Arg Asn Ser Gly Val Asn
 215

<210> 42
 <211> 790
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7516929CD1

<400> 42
 Met Pro Ser Ala Leu Ala Ile Phe Thr Cys Arg Pro Asn Ser His
 1 5 10 15
 Pro Phe Gln Glu Arg His Val Tyr Leu Asp Glu Pro Ile Lys Ile
 20 25 30
 Gly Arg Ser Val Ala Arg Cys Arg Pro Ala Gln Asn Asn Ala Thr
 35 40 45
 Phe Asp Cys Lys Val Leu Ser Arg Asn His Ala Leu Val Trp Phe
 50 55 60
 Asp His Lys Thr Gly Lys Phe Tyr Leu Gln Asp Thr Lys Ser Ser
 65 70 75
 Asn Gly Thr Phe Ile Asn Ser Gln Arg Leu Ser Arg Gly Ser Glu

				80					85				90	
Glu	Ser	Pro	Pro	Cys	Glu	Ile	Leu	Ser	Gly	Asp	Ile	Ile	Gln	Phe
				95					100					105
Gly	Val	Asp	Val	Thr	Glu	Asn	Thr	Arg	Lys	Val	Thr	His	Gly	Cys
				110					115					120
Ile	Val	Ser	Thr	Ile	Lys	Leu	Phe	Leu	Pro	Asp	Gly	Met	Glu	Ala
				125					130					135
Arg	Leu	Arg	Ser	Asp	Val	Ile	His	Ala	Pro	Leu	Pro	Ser	Pro	Val
				140					145					150
Asp	Lys	Val	Ala	Ala	Asn	Thr	Pro	Ser	Met	Tyr	Ser	Gln	Glu	Leu
				155					160					165
Phe	Gln	Leu	Ser	Gln	Tyr	Leu	Gln	Glu	Ala	Leu	His	Arg	Glu	Gln
				170					175					180
Met	Leu	Glu	Gln	Lys	Leu	Ala	Thr	Leu	Gln	Arg	Leu	Leu	Ala	Ile
				185					190					195
Thr	Gln	Glu	Ala	Ser	Asp	Thr	Ser	Trp	Gln	Ala	Leu	Ile	Asp	Glu
				200					205					210
Asp	Arg	Leu	Leu	Ser	Arg	Leu	Glu	Val	Met	Gly	Asn	Gln	Leu	Gln
				215					220					225
Ala	Cys	Ser	Lys	Asn	Gln	Thr	Glu	Asp	Ser	Leu	Arg	Lys	Glu	Leu
				230					235					240
Ile	Ala	Leu	Gln	Glu	Asp	Lys	His	Asn	Tyr	Glu	Thr	Thr	Ala	Lys
				245					250					255
Glu	Ser	Leu	Arg	Arg	Val	Leu	Gln	Glu	Lys	Ile	Glu	Val	Val	Arg
				260					265					270
Lys	Leu	Ser	Glu	Val	Glu	Arg	Ser	Leu	Ser	Asn	Thr	Glu	Asp	Glu
				275					280					285
Cys	Thr	His	Leu	Lys	Glu	Met	Asn	Glu	Arg	Thr	Gln	Glu	Glu	Leu
				290					295					300
Arg	Glu	Leu	Ala	Asn	Lys	Tyr	Asn	Gly	Ala	Val	Asn	Glu	Ile	Lys
				305					310					315
Asp	Leu	Ser	Asp	Lys	Leu	Lys	Val	Ala	Glu	Gly	Lys	Gln	Glu	Glu
				320					325					330
Ile	Gln	Gln	Lys	Gly	Gln	Ala	Glu	Lys	Lys	Glu	Leu	Gln	His	Lys
				335					340					345
Ile	Asp	Glu	Met	Glu	Glu	Lys	Glu	Gln	Glu	Leu	Gln	Ala	Lys	Ile
				350					355					360
Glu	Ala	Leu	Gln	Ala	Asp	Asn	Asp	Phe	Thr	Asn	Glu	Arg	Leu	Thr
				365					370					375
Ala	Leu	Gln	Glu	Lys	Leu	Ile	Val	Glu	Gly	His	Leu	Thr	Lys	Ala
				380					385					390
Val	Glu	Glu	Thr	Lys	Leu	Ser	Lys	Glu	Asn	Gln	Thr	Arg	Ala	Lys
				395					400					405
Glu	Ser	Asp	Phe	Ser	Asp	Thr	Leu	Ser	Pro	Ser	Lys	Glu	Lys	Ser
				410					415					420
Ser	Asp	Asp	Thr	Thr	Asp	Ala	Gln	Met	Asp	Glu	Gln	Asp	Leu	Asn
				425					430					435
Glu	Pro	Leu	Ala	Lys	Val	Ser	Leu	Leu	Lys	Asp	Asp	Leu	Gln	Gly
				440					445					450
Ala	Gln	Ser	Glu	Ile	Glu	Ala	Lys	Gln	Glu	Ile	Gln	His	Leu	Arg
				455					460					465
Lys	Glu	Leu	Ile	Glu	Ala	Gln	Glu	Leu	Ala	Arg	Thr	Ser	Lys	Gln
				470					475					480
Lys	Cys	Phe	Glu	Leu	Gln	Ala	Leu	Leu	Glu	Glu	Glu	Arg	Lys	Ala
				485					490					495
Tyr	Arg	Asn	Gln	Val	Glu	Glu	Ser	Thr	Lys	Gln	Ile	Gln	Val	Leu
				500					505					510
Gln	Ala	Gln	Leu	Gln	Arg	Leu	His	Ile	Asp	Thr	Glu	Asn	Leu	Arg
				515					520					525
Glu	Glu	Lys	Asp	Ser	Glu	Ile	Thr	Ser	Thr	Arg	Asp	Glu	Leu	Leu
				530					535					540
Ser	Ala	Arg	Asp	Glu	Ile	Leu	Leu	Leu	His	Gln	Ala	Ala	Ala	Lys
				545					550					555

Val	Ala	Ser	Glu	Arg	Asp	Thr	Asp	Ile	Ala	Ser	Leu	Gln	Glu	Glu	560	565	570
Leu	Lys	Lys	Val	Arg	Ala	Glu	Leu	Glu	Arg	Trp	Arg	Lys	Ala	Ala	575	580	585
Ser	Glu	Tyr	Glu	Lys	Glu	Ile	Thr	Ser	Leu	Gln	Asn	Ser	Phe	Gln	590	595	600
Leu	Arg	Cys	Gln	Gln	Cys	Glu	Asp	Gln	Gln	Arg	Glu	Glu	Ala	Thr	605	610	615
Arg	Leu	Gln	Gly	Glu	Leu	Glu	Lys	Leu	Arg	Lys	Glu	Trp	Asn	Ala	620	625	630
Leu	Glu	Thr	Glu	Cys	His	Ser	Leu	Lys	Arg	Glu	Asn	Val	Leu	Leu	635	640	645
Ser	Ser	Glu	Leu	Gln	Arg	Gln	Glu	Lys	Glu	Leu	His	Asn	Ser	Gln	650	655	660
Lys	Gln	Ser	Leu	Glu	Leu	Thr	Ser	Asp	Leu	Ser	Ile	Leu	Gln	Met	665	670	675
Ser	Arg	Lys	Glu	Leu	Glu	Asn	Gln	Val	Gly	Ser	Leu	Lys	Glu	Gln	680	685	690
His	Leu	Arg	Asp	Ser	Ala	Asp	Leu	Lys	Thr	Leu	Leu	Ser	Lys	Ala	695	700	705
Glu	Asn	Gln	Ala	Lys	Asp	Val	Gln	Lys	Glu	Tyr	Glu	Lys	Thr	Gln	710	715	720
Thr	Val	Leu	Ser	Glu	Leu	Lys	Leu	Lys	Phe	Glu	Met	Thr	Glu	Gln	725	730	735
Glu	Lys	Gln	Ser	Ile	Thr	Asp	Glu	Leu	Lys	Gln	Cys	Lys	Asn	Asn	740	745	750
Leu	Lys	Leu	Leu	Arg	Glu	Lys	Gly	Asn	Asn	Lys	Pro	Trp	Pro	Trp	755	760	765
Met	Pro	Met	Leu	Ala	Ala	Leu	Val	Ala	Val	Thr	Ala	Ile	Val	Leu	770	775	780
Tyr	Val	Pro	Gly	Leu	Ala	Arg	Ala	Ser	Pro						785	790	

<210> 43

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515570CD1

<400> 43

Met	Arg	Pro	Gly	Thr	Ala	Leu	Gln	Ala	Val	Leu	Leu	Ala	Val	Leu	1	5	10	15
Leu	Val	Gly	Leu	Arg	Ala	Ala	Thr	Gly	Arg	Leu	Leu	Ser	Ala	Ser	20	25	30	35
Asp	Leu	Asp	Leu	Arg	Gly	Glu	Lys	Pro	Ala	Val	Pro	Ser	Arg	Glu	35	40	45	50
Ala	Glu	Gly	Glu	Glu	Thr	Glu	Leu	Thr	Thr	Pro	Val	Leu	Pro	Glu	50	55	60	65
Glu	Thr	Gln	Glu	Glu	Asp	Ala	Lys	Lys	Thr	Phe	Lys	Glu	Ser	Arg	65	70	75	80
Glu	Ala	Ala	Leu	Asn	Leu	Ala	Tyr	Ile	Leu	Ile	Pro	Ser	Ile	Pro	80	85	90	95
Leu	Leu	Leu	Leu	Leu	Val	Val	Thr	Thr	Val	Val	Cys	Trp	Val	Trp	95	100	105	110
Ile	Cys	Arg	Lys	Arg	Lys	Arg	Glu	Gln	Pro	Asp	Pro	Ser	Thr	Lys	110	115	120	125
Lys	Gln	His	Thr	Ile	Trp	Pro	Ser	Pro	His	Gln	Gly	Asn	Ser	Pro	125	130	135	140
Asp	Leu	Glu	Val	Tyr	Asn	Val	Ile	Arg	Lys	Gln	Ser	Glu	Ala	Asp	140	145	150	

```

Leu Ala Glu Thr Arg Pro Asp Leu Lys Asn Ile Ser Phe Arg Val
155 160 165
Cys Ser Gly Glu Ala Thr Pro Asp Asp Met Ser Cys Asp Tyr Asp
170 175 180
Asn Met Ala Val Asn Pro Ser Glu Ser Gly Phe Val Thr Leu Val
185 190 195
Ser Val Glu Ser Gly Phe Val Thr Asn Asp Ile Tyr Glu Phe Ser
200 205 210
Pro Asp Gln Met Gly Arg Ser Lys Glu Ser Gly Trp Val Glu Asn
215 220 225
Glu Ile Tyr Gly Tyr
230

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<210> 44
 <211> 196
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515680CD1

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<400> 44
Met Glu Leu Leu Gln Val Thr Ile Leu Phe Leu Leu Pro Ser Ile
1 5 10 15
Cys Ser Ser Asn Ser Thr Gly Leu Lys Ala Thr Thr Thr Asp Val
20 25 30
Arg Lys Asn Asp Ser Ile Ile Ser Asn Val Thr Val Thr Ser Val
35 40 45
Thr Leu Pro Asn Ala Val Ser Thr Leu Gln Ser Ser Lys Pro Lys
50 55 60
Thr Glu Thr Gln Ser Ser Ile Lys Thr Thr Glu Ile Pro Gly Ser
65 70 75
Val Leu Gln Pro Asp Ala Ser Pro Ser Lys Thr Gly Thr Leu Thr
80 85 90
Ser Ile Pro Val Thr Ile Pro Glu Asn Thr Ser Gln Ser Gln Val
95 100 105
Ile Gly Thr Glu Gly Gly Lys Asn Ala Ser Thr Ser Ala Thr Ser
110 115 120
Arg Ser Tyr Ser Ser Ile Ile Leu Pro Val Val Ile Ala Leu Ile
125 130 135
Val Ile Thr Leu Ser Val Phe Val Leu Val Gly Leu Tyr Arg Met
140 145 150
Cys Trp Lys Ala Asp Pro Gly Thr Pro Glu Asn Gly Asn Asp Gln
155 160 165
Pro Gln Ser Asp Lys Glu Ser Val Lys Leu Leu Thr Val Lys Thr
170 175 180
Ile Ser His Glu Ser Gly Glu His Ser Ala Gln Gly Lys Thr Lys
185 190 195
Asn

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<210> 45
 <211> 367
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7516698CD1

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<400> 45
Met Gly Ile Trp Thr Ser Gly Thr Asp Ile Phe Leu Ser Leu Trp

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1	5	10	15
Glu Ile Cys Val	Ser Pro Arg Ser Pro	Gly Trp Met Asp Phe	Ile
	20	25	30
Gln His Leu Gly	Val Cys Cys Leu Val	Ala Leu Ile Ser Val	Gly
	35	40	45
Leu Leu Ser Val	Ala Ala Cys Trp Phe	Leu Pro Ser Ile Ile	Ala
	50	55	60
Ala Ala Ala Ser	Trp Ile Ile Thr Cys	Val Leu Leu Cys Cys	Ser
	65	70	75
Lys His Ala Arg	Cys Phe Ile Leu Leu	Val Phe Leu Ser Cys	Gly
	80	85	90
Leu Arg Glu Gly	Arg Asn Ala Leu Ile	Ala Ala Gly Thr Gly	Ile
	95	100	105
Val Ile Leu Gly	His Val Glu Asn Ile	Phe His Asn Phe Lys	Gly
	110	115	120
Leu Leu Asp Gly	Met Thr Cys Asn Leu	Arg Ala Lys Ser Phe	Ser
	125	130	135
Ile His Phe Pro	Leu Leu Lys Lys Tyr	Ile Glu Ala Ile Gln	Trp
	140	145	150
Ile Tyr Gly Leu	Ala Thr Pro Leu Ser	Val Phe Asp Asp Leu	Val
	155	160	165
Ser Trp Asn Gln	Thr Leu Ala Val Ser	Leu Phe Ser Pro Ser	His
	170	175	180
Val Leu Glu Ala	Gln Leu Asn Asp Ser	Lys Gly Glu Val Leu	Ser
	185	190	195
Val Leu Tyr Gln	Met Ala Thr Thr Thr	Glu Val Leu Pro Ser	Leu
	200	205	210
Gly Gln Lys Leu	Leu Ala Phe Ala Gly	Leu Ser Leu Ala Leu	Leu
	215	220	225
Gly Thr Gly Leu	Phe Met Lys Arg Phe	Leu Gly Pro Cys Gly	Trp
	230	235	240
Lys Tyr Glu Asn	Ile Tyr Ile Thr Arg	Gln Phe Val Gln Phe	Asp
	245	250	255
Glu Arg Gly Arg	His Gln Gln Arg Pro	Cys Val Leu Pro Leu	Asn
	260	265	270
Lys Glu Glu Arg	Arg Lys Tyr Val Ile	Ile Pro Thr Phe Trp	Pro
	275	280	285
Thr Pro Lys Glu	Arg Lys Asn Leu Gly	Leu Phe Phe Leu Pro	Ile
	290	295	300
Leu Ile His Leu	Cys Ile Trp Val Leu	Phe Ala Ala Val Asp	Tyr
	305	310	315
Leu Leu Tyr Arg	Leu Ile Phe Ser Val	Ser Lys Gln Phe Gln	Ser
	320	325	330
Leu Pro Gly Phe	Glu Val His Leu Lys	Leu His Gly Glu Ile	His
	335	340	345
Phe Trp Leu Pro	Val Leu Lys Met Ile	Arg Lys Lys Gln Met	Asp
	350	355	360
Met Ala Ser Ala	Asp Lys Ser		
	365		

<210> 46
 <211> 815
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7517501CD1

<400> 46
 Met Gly Pro Gly Val Leu Leu Leu Leu Leu Val Ala Thr Ala Trp
 1 5 10 15
 His Gly Gln Gly Ile Pro Val Ile Glu Pro Ser Val Pro Glu Leu

				20					25				30	
Val	Val	Lys	Pro	Gly	Ala	Thr	Val	Thr	Leu	Arg	Cys	Val	Gly	Asn
				35					40					45
Gly	Ser	Val	Glu	Trp	Asp	Gly	Pro	Pro	Ser	Pro	His	Trp	Thr	Leu
				50					55					60
Tyr	Ser	Asp	Gly	Ser	Ser	Ser	Ile	Leu	Ser	Thr	Asn	Asn	Ala	Thr
				65					70					75
Phe	Gln	Asn	Thr	Gly	Thr	Tyr	Arg	Cys	Thr	Glu	Pro	Gly	Asp	Pro
				80					85					90
Leu	Gly	Gly	Ser	Ala	Ala	Ile	His	Leu	Tyr	Val	Lys	Asp	Pro	Ala
				95					100					105
Arg	Pro	Trp	Asn	Val	Leu	Ala	Gln	Glu	Val	Val	Val	Phe	Glu	Asp
				110					115					120
Gln	Asp	Ala	Leu	Leu	Pro	Cys	Leu	Leu	Thr	Asp	Pro	Val	Leu	Glu
				125					130					135
Ala	Gly	Val	Ser	Leu	Val	Arg	Val	Arg	Gly	Arg	Pro	Leu	Met	Arg
				140					145					150
His	Thr	Asn	Tyr	Ser	Phe	Ser	Pro	Trp	His	Gly	Phe	Thr	Ile	His
				155					160					165
Arg	Ala	Lys	Phe	Ile	Gln	Ser	Gln	Asp	Tyr	Gln	Cys	Ser	Ala	Leu
				170					175					180
Met	Gly	Gly	Arg	Lys	Val	Met	Ser	Ile	Ser	Ile	Arg	Leu	Lys	Val
				185					190					195
Gln	Lys	Val	Ile	Pro	Gly	Pro	Pro	Ala	Leu	Thr	Leu	Val	Pro	Ala
				200					205					210
Glu	Leu	Val	Arg	Ile	Arg	Gly	Glu	Ala	Ala	Gln	Ile	Val	Cys	Ser
				215					220					225
Ala	Ser	Ser	Val	Asp	Val	Asn	Phe	Asp	Val	Phe	Leu	Gln	His	Asn
				230					235					240
Asn	Thr	Lys	Leu	Ala	Ile	Pro	Gln	Gln	Ser	Asp	Phe	His	Asn	Asn
				245					250					255
Arg	Tyr	Gln	Lys	Val	Leu	Thr	Leu	Asn	Leu	Asp	Gln	Val	Asp	Phe
				260					265					270
Gln	His	Ala	Gly	Asn	Tyr	Ser	Cys	Val	Ala	Ser	Asn	Val	Gln	Gly
				275					280					285
Lys	His	Ser	Thr	Ser	Met	Phe	Phe	Arg	Val	Val	Glu	Ser	Ala	Tyr
				290					295					300
Leu	Asn	Leu	Ser	Ser	Glu	Gln	Asn	Leu	Ile	Gln	Glu	Val	Thr	Val
				305					310					315
Gly	Glu	Gly	Leu	Asn	Leu	Lys	Val	Met	Val	Glu	Ala	Tyr	Pro	Gly
				320					325					330
Leu	Gln	Gly	Phe	Asn	Trp	Thr	Tyr	Leu	Gly	Pro	Phe	Ser	Asp	His
				335					340					345
Gln	Pro	Glu	Pro	Lys	Leu	Ala	Asn	Ala	Thr	Thr	Lys	Asp	Thr	Tyr
				350					355					360
Arg	His	Thr	Phe	Thr	Leu	Ser	Leu	Pro	Arg	Leu	Lys	Pro	Ser	Glu
				365					370					375
Ala	Gly	Arg	Tyr	Ser	Phe	Leu	Ala	Arg	Asn	Pro	Gly	Gly	Trp	Arg
				380					385					390
Ala	Leu	Thr	Phe	Glu	Leu	Thr	Leu	Arg	Tyr	Pro	Pro	Glu	Val	Ser
				395					400					405
Val	Ile	Trp	Thr	Phe	Ile	Asn	Gly	Ser	Gly	Thr	Leu	Leu	Cys	Ala
				410					415					420
Ala	Ser	Gly	Tyr	Pro	Gln	Pro	Asn	Val	Thr	Trp	Leu	Gln	Cys	Ser
				425					430					435
Gly	His	Thr	Asp	Arg	Cys	Asp	Glu	Ala	Gln	Val	Leu	Gln	Val	Trp
				440					445					450
Asp	Asp	Pro	Tyr	Pro	Glu	Val	Leu	Ser	Gln	Glu	Pro	Phe	His	Lys
				455					460					465
Val	Thr	Val	Gln	Ser	Leu	Leu	Thr	Val	Glu	Thr	Leu	Glu	His	Asn
				470					475					480
Gln	Thr	Tyr	Glu	Cys	Arg	Ala	His	Asn	Ser	Val	Gly	Ser	Gly	Ser
				485					490					495

Trp	Ala	Phe	Ile	Pro	Ile	Ser	Ala	Gly	Ala	His	Thr	His	Pro	Pro
				500					505					510
Asp	Glu	Phe	Leu	Phe	Thr	Pro	Val	Val	Val	Ala	Cys	Met	Ser	Ile
				515					520					525
Met	Ala	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Tyr	Lys	Tyr
				530					535					540
Lys	Gln	Lys	Pro	Lys	Tyr	Gln	Val	Arg	Trp	Lys	Ile	Ile	Glu	Ser
				545					550					555
Tyr	Glu	Gly	Asn	Ser	Tyr	Thr	Phe	Ile	Asp	Pro	Thr	Gln	Leu	Pro
				560					565					570
Tyr	Asn	Glu	Lys	Trp	Glu	Phe	Pro	Arg	Asn	Asn	Leu	Gln	Phe	Gly
				575					580					585
Lys	Thr	Leu	Gly	Ala	Gly	Ala	Phe	Gly	Lys	Val	Val	Glu	Ala	Thr
				590					595					600
Ala	Phe	Gly	Leu	Gly	Lys	Glu	Asp	Ala	Val	Leu	Lys	Val	Ala	Val
				605					610					615
Lys	Met	Leu	Lys	Ser	Thr	Ala	His	Ala	Asp	Glu	Lys	Glu	Ala	Leu
				620					625					630
Met	Ser	Glu	Leu	Lys	Ile	Met	Ser	His	Leu	Gly	Gln	His	Glu	Asn
				635					640					645
Ile	Val	Asn	Leu	Leu	Gly	Ala	Cys	Thr	His	Gly	Gly	Pro	Val	Leu
				650					655					660
Val	Ile	Thr	Glu	Tyr	Cys	Cys	Tyr	Gly	Asp	Leu	Leu	Asn	Phe	Leu
				665					670					675
Arg	Arg	Lys	Ala	Glu	Ala	Met	Leu	Gly	Pro	Ser	Leu	Ser	Pro	Gly
				680					685					690
Gln	Asp	Pro	Glu	Gly	Gly	Val	Asp	Tyr	Lys	Asn	Ile	His	Leu	Glu
				695					700					705
Lys	Lys	Tyr	Val	Arg	Arg	Asp	Ser	Gly	Phe	Ser	Ser	Gln	Gly	Val
				710					715					720
Asp	Thr	Tyr	Val	Glu	Met	Arg	Pro	Val	Ser	Thr	Ser	Ser	Asn	Asp
				725					730					735
Ser	Phe	Ser	Glu	Gln	Asp	Leu	Asp	Lys	Glu	Asp	Gly	Arg	Pro	Leu
				740					745					750
Glu	Leu	Arg	Asp	Leu	Leu	His	Phe	Ser	Ser	Gln	Val	Ala	Gln	Gly
				755					760					765
Met	Ala	Phe	Leu	Ala	Ser	Lys	Asn	Gln	Gly	Leu	Gln	Ser	His	Val
				770					775					780
Gly	Pro	Ser	Leu	Pro	Ser	Ser	Ser	Pro	Gln	Ala	Gln	Val	Gly	Glu
				785					790					795
Gly	Pro	Arg	Leu	Thr	Leu	Gln	Cys	Phe	Pro	Ser	Val	His	Pro	Pro
				800					805					810
Gly	Arg	Gly	Ser	Ala										
				815										

<210> 47

<211> 260

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7518576CD1

<400> 47

Met	Cys	Ser	Thr	Met	Ser	Ala	Pro	Thr	Cys	Leu	Ala	His	Leu	Pro
1				5					10					15
Pro	Cys	Phe	Leu	Leu	Leu	Ala	Leu	Val	Leu	Val	Pro	Ser	Asp	Ala
				20					25					30
Ser	Gly	Gln	Ser	Ser	Arg	Asn	Asp	Trp	Gln	Val	Leu	Gln	Pro	Glu
				35					40					45
Gly	Pro	Met	Leu	Val	Ala	Glu	Gly	Glu	Thr	Leu	Leu	Leu	Arg	Cys
				50					55					60

Met	Val	Val	Gly	Ser	Cys	Thr	Asp	Gly	Ala	Gly	Asp	Pro	Glu	Pro
				65					70					75
Asp	Leu	Trp	Ile	Ile	Gln	Pro	Gln	Glu	Leu	Val	Leu	Gly	Thr	Thr
				80					85					90
Gly	Asp	Thr	Val	Phe	Leu	Asn	Cys	Thr	Val	Leu	Gly	Asp	Gly	Pro
				95					100					105
Pro	Gly	Pro	Ile	Arg	Trp	Phe	Gln	Gly	Ala	Gly	Leu	Ser	Arg	Glu
				110					115					120
Ala	Ile	Tyr	Asn	Phe	Gly	Gly	Ile	Ser	His	Pro	Lys	Ala	Thr	Ala
				125					130					135
Val	Gln	Ala	Ser	Asn	Asn	Asp	Phe	Ser	Ile	Leu	Leu	Gln	Asn	Val
				140					145					150
Ser	Ser	Glu	Asp	Ala	Gly	Thr	Tyr	Tyr	Cys	Val	Lys	Phe	Gln	Arg
				155					160					165
Lys	Pro	Asn	Arg	Gln	Tyr	Leu	Ser	Gly	Gln	Gly	Thr	Ser	Leu	Lys
				170					175					180
Val	Lys	Ala	Lys	Ser	Thr	Ser	Ser	Lys	Glu	Ala	Glu	Phe	Thr	Ser
				185					190					195
Glu	Pro	Ala	Thr	Glu	Met	Ser	Pro	Thr	Gly	Leu	Leu	Val	Val	Phe
				200					205					210
Ala	Pro	Val	Val	Leu	Gly	Leu	Lys	Ala	Ile	Thr	Leu	Ala	Ala	Leu
				215					220					225
Leu	Leu	Ala	Leu	Ala	Thr	Ser	Arg	Arg	Ser	Pro	Gly	Gln	Glu	Asp
				230					235					240
Val	Lys	Thr	Thr	Gly	Pro	Ala	Gly	Ala	Met	Asn	Thr	Leu	Ala	Trp
				245					250					255
Ser	Lys	Gly	Gln	Glu										
				260										

<210> 48

<211> 237

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7518626CD1

<400> 48

Met	Ser	Gly	Gly	Trp	Met	Ala	Gln	Val	Gly	Ala	Trp	Arg	Thr	Gly
1				5					10					15
Ala	Leu	Gly	Leu	Ala	Leu	Leu	Leu	Leu	Leu	Gly	Leu	Gly	Leu	Gly
				20					25					30
Leu	Glu	Ala	Ala	Ala	Ser	Pro	Leu	Ser	Thr	Pro	Thr	Ser	Ala	Gln
				35					40					45
Ala	Ala	Gly	Pro	Ser	Ser	Gly	Ser	Cys	Pro	Pro	Thr	Lys	Phe	Gln
				50					55					60
Cys	Arg	Thr	Ser	Gly	Leu	Cys	Val	Pro	Leu	Thr	Trp	Arg	Cys	Asp
				65					70					75
Arg	Asp	Leu	Asp	Cys	Ser	Asp	Gly	Ser	Asp	Glu	Glu	Glu	Cys	Ser
				80					85					90
Glu	Leu	Arg	Cys	Thr	Leu	Ser	Asp	Asp	Cys	Ile	Pro	Leu	Thr	Trp
				95					100					105
Arg	Cys	Asp	Gly	His	Pro	Asp	Cys	Pro	Asp	Ser	Ser	Asp	Glu	Leu
				110					115					120
Gly	Cys	Gly	Thr	Asn	Glu	Ile	Leu	Pro	Glu	Gly	Asp	Ala	Thr	Thr
				125					130					135
Met	Gly	Pro	Pro	Val	Thr	Leu	Glu	Ser	Val	Thr	Ser	Leu	Arg	Asn
				140					145					150
Ala	Thr	Thr	Met	Gly	Pro	Pro	Val	Thr	Leu	Glu	Ser	Val	Pro	Ser
				155					160					165
Val	Gly	Asn	Ala	Thr	Ser	Ser	Ser	Ala	Gly	Asp	Gln	Ser	Gly	Ser
				170					175					180

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Pro Thr Ala Tyr Gly Val Ile Ala Ala Ala Ala Val Leu Ser Ala
                185                190                195
Ser Leu Val Thr Ala Thr Leu Leu Leu Leu Ser Trp Leu Arg Ala
                200                205                210
Gln Glu Arg Leu Arg Pro Leu Gly Leu Leu Val Ala Met Lys Glu
                215                220                225
Ser Leu Leu Leu Ser Glu Gln Lys Thr Ser Leu Pro
                230                235

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<210> 49
 <211> 170
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515714CD1

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<400> 49
Met Pro Val Pro Ala Ser Trp Pro His Pro Pro Gly Pro Phe Leu
  1          5          10          15
Leu Leu Thr Leu Leu Leu Gly Leu Thr Glu Val Ala Gly Glu Glu
                20          25          30
Glu Leu Gln Met Ile Gln Pro Glu Lys Leu Leu Leu Val Thr Val
                35          40          45
Gly Lys Thr Ala Thr Leu His Cys Thr Val Thr Ser Leu Leu Pro
                50          55          60
Val Gly Pro Val Leu Trp Phe Arg Gly Val Gly Pro Gly Arg Glu
                65          70          75
Leu Ile Tyr Asn Gln Lys Glu Gly His Phe Pro Arg Val Thr Thr
                80          85          90
Val Ser Asp Leu Thr Lys Arg Asn Asn Met Asp Phe Ser Ile Arg
                95          100         105
Ile Ser Ser Ile Thr Pro Ala Asp Val Gly Thr Tyr Tyr Cys Val
                110         115         120
Lys Phe Arg Lys Gly Ser Pro Glu Asn Val Glu Phe Lys Ser Gly
                125         130         135
Pro Gly Thr Glu Met Ala Leu Gly Ala Pro Ser Phe Leu Pro Cys
                140         145         150
His Val Gly Pro Ser Ser Leu Leu Pro Pro Ser Phe Pro Glu Arg
                155         160         165
Leu Ser Leu Arg Glu
                170

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<210> 50
 <211> 968
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2847449CB1

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<400> 50
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gcacctggaa ctcggcaccc aggagggtcac ccctgcagga cctgtagagg agcctgtgtc 120
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<210> 51
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 <213> Homo sapiens

<220>
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<220>
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<210> 53

<211> 638

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522289CB1

<400> 53

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638

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<210> 54

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7522336CB1

<400> 54

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7522361CB1

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<210> 57
 <211> 561
 <212> DNA
 <213> Homo sapiens

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<211> 724
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<210> 59
 <211> 703
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7522381CB1

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 <211> 1722
 <212> DNA
 <213> Homo sapiens

<220>
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<211> 1685

<212> DNA

<213> Homo sapiens

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<400> 61

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 <211> 1578
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523769CB1

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<211> 1760

<212> DNA

<213> Homo sapiens

<220>

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<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523880CB1

<400> 66

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<211> 2850

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 7523812CB1

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<211> 1136

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524026CB1

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<210> 69

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7524024CB1

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7524494CB1

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<400> 76

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<400> 78

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<210> 79

<211> 2273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7525149CB1

<400> 79

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<210> 80

<211> 697

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7513047CB1

<400> 80

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<210> 81

<211> 1150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513056CB1

<400> 81

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cacgcctgtg ccgtgcccct gcttcagccc cgccccgggc gcccagggga agccccgcac 480
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```



```

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<210> 82

<211> 2459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513245CB1

<400> 82

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<210> 83
 <211> 1389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513711CB1

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<210> 84
 <211> 1220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513965CB1

<400> 84
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<210> 85

<211> 1854

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513969CB1

<400> 85

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<210> 86

<211> 1885

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7512119CB1

<400> 86

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<211> 801

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515577CB1

<400> 87

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<211> 1344

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7514748CB1

<400> 88

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<211> 3714

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7513838CB1

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<213> Homo sapiens

<220>

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<210> 91

<211> 3136

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7516929CB1

<400> 91

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515570CB1

<400> 92

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<210> 93

<211> 621

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7515680CB1

<400> 93

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<211> 1349

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7516698CB1

<400> 94

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<211> 3868

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7517501CB1

<400> 95

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<213> Homo sapiens

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